

TILE & STONE INSTALLATION PRODUCT GUIDE



CUSTOM[®]

TILE INSTALLATION SYSTEMS

CUSTOM[®] MOBILE APP

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- Technical Data Sheets
- Safety Data Sheets
- Material calculator
- Grout color selector
- CUSTOM's video library
- Quick access to technical support

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Thank You

Thank you for selecting Custom® Building Products!

Custom Building Products is the leading provider of flooring preparation and installation products in North America. CUSTOM's comprehensive line of systems for surface preparation, setting, grouting and care, are considered the most trusted by professionals and they're backed by industry-leading warranties. CUSTOM's growth and product innovations are the result of an ongoing commitment to advanced technology and quality management principles.

This Product Guide provides general technical information on each product to assist in ordering and using all products from CUSTOM. For product Technical Data Sheets see our website.

You can reach us Monday through Friday from 6:00 a.m. to 5:00 p.m. (PST) anywhere in the U.S.A. or Canada. We have distribution sites across North America to ensure you'll have the product you need when you need it.

Our job is to help every installation go as smoothly as possible with the best results. Our Technical Service experts can assist with product knowledge, installation advice, site inspections and problem solving to ensure every installation is a success.

We Lead the Industry —



Warranty Programs. We offer installation systems warranties that guarantee your installation will be free from defects for up to a lifetime, when qualifying products are used as a complete installation system. We will also customize warranties to your specifications. See our website for details.



We are pleased to announce **GREENGUARD Gold Certification** (which includes California Department of Public Health Compliance) for the majority of our products. Both programs have strict volatile organic compounds (VOCs) criteria for the safety of children and other sensitive individuals. These approvals mean that the products contribute to LEED® 4 credits under Indoor Air Quality (IAQ). To learn more about GREENGUARD Gold Certification and our qualifying products, please visit our website.



Build Green. Over 100 CUSTOM products contribute to LEED® certification in these categories: MRc4, MRc5, EQc4, 4.2, MR5, MR4, IEQ4.1 and IEQ4.2.

Important: This book does NOT contain Technical Data Sheets. Please contact Customer Support at 800-272-8786, visit CustomBuildingProducts.com or download our App for complete, up-to-date product information including our Technical Data Sheets and Safety Data Sheets.

For information on Special Order products REFER TO the most recent Price Schedule.

LEED® is a registered trademark of the U.S. Green Building Council.

Custom Building Products

Customer Support: 800-272-8786

Technical Services: 800-282-8786

CustomBuildingProducts.com

Nationwide manufacturing facilities.

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Warranties

For Interior and Exterior Direct Bond Installations

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS – YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

Terms and Conditions

Subject to the conditions and limitations stated in this document, Custom® Building Products (CUSTOM) warrants to the original owner that the CUSTOM installation system will be free from manufacturing defects and will not break down or deteriorate under normal usage for the term listed in the table below, based on the products selected for the project, when installed in accordance with CUSTOM's most recently published instructions, specifications and industry standards and guidelines for said installation. This warranty becomes effective upon validated substantial completion of the project. This warranty is not transferable.

Exclusive Remedy

In installations correctly utilizing CUSTOM products selected from each category in the table below, CUSTOM will repair and/or replace, at its discretion, the affected area of the system. Such cost to CUSTOM shall not exceed the original square foot cost of the installation proven to be defective. CUSTOM is not responsible for shade or dye lots of the finish materials. Proof of product purchase is required with any claim.

Limitations

CUSTOM shall not be responsible for structural failure or workmanship that is not in accordance with standard industry practices and procedures and CUSTOM published instructions. CUSTOM will not be liable for any loss or damage arising from the CUSTOM installation system or any CUSTOM product incorporated therein, whether direct, indirect, special, incidental, consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict product liability. Some states do not allow the exclusion of consequential damages, so these limitations or exclusions may not apply to you. Cracking due to structural movement beyond the engineered design, excessive deflection or other failure of the substrate and damage to structural or subfloor elements from water are also not covered. Acts of God including but not limited to flooding, hurricane, tornado, earthquake and fire shall not be covered under this warranty. CUSTOM will not be responsible for system failure resulting from the use of competitive or non-specified products. CUSTOM shall not be responsible for lippage between tiles; cracks in tiles; loss of bond to substrate, tile or membrane due to excessive tile deformation such as warpage or curling for any reason, or resulting from a lack of improperly-placed perimeter and/or movement joints. All tile installed over post-tensioned or suspended slabs must be physically strong to accommodate movement without cracking or spalling, such as true porcelain tile. The potential for efflorescence and shading is inherent in all cementitious products and is not considered a manufacturing defect. Although CUSTOM may have suggested the material or developed the material at the request of the owner or applicator, it is the responsibility of the owner to test and determine the suitability of the material for the intended use and purpose, and the owner assumes all risk and liability whatsoever regarding such suitability. This warranty is in place of all other warranties and conditions, express or implied. Custom expressly disclaims any other warranties and conditions, including statutory warranties and conditions and warranties and conditions of merchantability and fitness for a particular purpose other than the warranty expressly stated herein.

Warranty Requirements

CUSTOM installation requirements can be obtained by calling Technical Services at 800-272-8786 or through www.custombuildingproducts.com. A complete CUSTOM system of products must be used including mortars and grouts where applicable to qualify for this limited warranty. Surface preparation product selection is optional depending on the job requirements. All installations over 5,000 square feet must receive pre-approval by contacting a CUSTOM Architectural Services Representative. We offer pre-job inspections, call 800-272-8786 or visit www.custombuildingproducts.com. Multiple residence installations are considered as one installation.

Claims Procedures

If you wish to make a claim under this limited warranty, you must notify CUSTOM immediately in writing at: **Technical Services, Custom Building Products, 10400 Pioneer Blvd., Santa Fe Springs, CA 90670**. Include any and all information related to an alleged defect of the installation. The claim must be submitted in a timely fashion, and evaluated by CUSTOM before any repair work is done. CUSTOM reserves the right to physically inspect any project with a claim pending prior to determining validity of the claim. Proof of purchase is required. For any claim that is not valid, CUSTOM will be paid reasonable charges, including travel and labor, associated with investigation of such claim.

Limited System Warranty

	Lifetime	15 Year	10 Year	5 Year
Suitable Substrates	Concrete	Concrete	Concrete	Concrete
	Masonry	Masonry	Masonry	Masonry
	Portland Cement Plaster	Portland Cement Plaster	Portland Cement Plaster	Portland Cement Plaster
	Cement Backerboard	Cement Backerboard	Cement Backerboard	Cement Backerboard
	Exterior Grade Plywood (interior, dry areas)	Exterior Grade Plywood (interior, dry areas)	Exterior Grade Plywood (interior, dry areas)	Exterior Grade Plywood (interior, dry areas)
	Well Bonded Existing Ceramic Tile	Well Bonded Existing Ceramic Tile	Well Bonded Existing Ceramic Tile	Well Bonded Existing Ceramic Tile
	Gypsum Wallboard (interior, dry areas)	Gypsum Wallboard (interior, dry areas)	Gypsum Wallboard (interior, dry areas)	Gypsum Wallboard (interior, dry areas)
Surface Prep (As Needed)	LevelLite® High Performance Self-Leveling Underlayment	LevelLite® High Performance Self-Leveling Underlayment	LevelLite® High Performance Self-Leveling Underlayment	LevelLite® High Performance Self-Leveling Underlayment
	LevelQuik® RS Rapid Setting Self-Leveling Underlayment	LevelQuik® RS Rapid Setting Self-Leveling Underlayment	LevelQuik® RS Rapid Setting Self-Leveling Underlayment	LevelQuik® RS Rapid Setting Self-Leveling Underlayment
	LevelQuik® ES Extended Setting Self-Leveling Underlayment	LevelQuik® ES Extended Setting Self-Leveling Underlayment	LevelQuik® ES Extended Setting Self-Leveling Underlayment	LevelQuik® ES Extended Setting Self-Leveling Underlayment
	MBP Multi-Surface Bonding Primer	MBP Multi-Surface Bonding Primer	MBP Multi-Surface Bonding Primer	MBP Multi-Surface Bonding Primer
Waterproofing (As Needed)	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane
	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane
	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat
	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane
MUST SELECT ONE FROM EACH CATEGORY BELOW				
Mortar	MegaLite® Ultimate Crack Prevention Large Format Tile Mortar	FlexBond® Premium Crack Prevention Thin-Set Mortar	ProLite® Premium Large Format Tile Mortar	VersaBond®-LFT Professional Large Format Tile Mortar
	MegaLite® Ultimate Rapid Setting Crack Prevention Large Format Mortar	Natural Stone & Large Tile Premium Large Format Tile Mortar	ProLite® Premium Rapid Setting Large Format Tile Mortar	VersaBond® Professional Thin-Set Mortar
	EBM-Lite™ Premium Epoxy Bonding Mortar	OmniGrip® Premium Lightweight Tile Adhesive (dry areas)	SpeedSet™ Professional Rapid Setting Thin-Set Mortar	
		Glass Tile Premium Thin-Set Mortar	Complete Contact™ Fortified Mortar	
			Complete Contact™ RS Fortified Mortar	
			Complete Contact™-LFT Premium Rapid Setting Large Format Tile Mortar	
Grout	Prism® Ultimate Performance Cement Grout	Prism® Ultimate Performance Cement Grout	Prism® Ultimate Performance Cement Grout	Prism® Ultimate Performance Cement Grout
	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout
	Fusion Pro® Single Component® Grout	Fusion Pro® Single Component® Grout	Fusion Pro® Single Component® Grout	Fusion Pro® Single Component® Grout
	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout
	CEG-Lite™ 100% Solids Commercial Epoxy Grout	CEG-Lite™ 100% Solids Commercial Epoxy Grout	CEG-Lite™ 100% Solids Commercial Epoxy Grout	CEG-Lite™ 100% Solids Commercial Epoxy Grout
	Polyblend® Plus Sanded Grout or Non-Sanded Grout	Polyblend® Plus Sanded Grout or Non-Sanded Grout	Polyblend® Plus Sanded Grout or Non-Sanded Grout	Polyblend® Plus Sanded Grout or Non-Sanded Grout
	Polyblend® Sanded Grout or Non-Sanded Grout	Polyblend® Sanded Grout or Non-Sanded Grout	Polyblend® Sanded Grout or Non-Sanded Grout	Polyblend® Sanded Grout or Non-Sanded Grout

Warranties

For Interior Installations requiring Waterproofing or Crack Isolation

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Subject to the conditions and limitations stated in this document, Custom® Building Products (CUSTOM) warrants to the original owner that the CUSTOM installation system will be free from manufacturing defects and will not break down or deteriorate under normal usage for the term listed in the table below, based on the products selected for the project, when installed in accordance with CUSTOM's most recently published instructions, specifications and industry standards and guidelines for said installation. This warranty becomes effective upon validated substantial completion of the project. This warranty is not transferable.

Exclusive Remedy

In installations correctly utilizing CUSTOM products selected from each category in the table below, CUSTOM will repair and/or replace, at its discretion, the affected area of the system. Such cost to CUSTOM shall not exceed the original square foot cost of the installation proven to be defective. CUSTOM is not responsible for shade or dye lots of the finish materials. Proof of product purchase is required with any claim.

Limitations

CUSTOM shall not be responsible for structural failure or workmanship that is not in accordance with standard industry practices and procedures and CUSTOM published instructions. CUSTOM will not be liable for any loss or damage arising from the CUSTOM installation system or any CUSTOM product incorporated therein, whether direct, indirect, special, incidental, consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict product liability. Some states do not allow the exclusion of consequential damages, so these limitations or exclusions may not apply to you. Cracking due to structural movement beyond the engineered design, excessive deflection or other failure of the substrate and damage to structural or subfloor elements from water are also not covered. Acts of God including but not limited to flooding, hurricane, tornado, earthquake and fire shall not be covered under this warranty. CUSTOM will not be responsible for system failure resulting from the use of competitive or non-specified products. CUSTOM shall not be responsible for lippage between tiles; cracks in tiles; loss of bond to substrate, tile or membrane due to excessive tile deformation such as warpage or curling for any reason, or resulting from a lack of improperly-placed perimeter and/or movement joints. All tile installed over post-tensioned or suspended slabs must be physically strong to accommodate movement without cracking or spalling, such as true porcelain tile. The potential for efflorescence and shading is inherent in all cementitious products and is not considered a manufacturing defect. Although CUSTOM may have suggested the material or developed the material at the request of the owner or applicator, it is the responsibility of the owner to test and determine the suitability of the material for the intended use and purpose, and the owner assumes all risk and liability whatsoever regarding such suitability. This warranty is in place of all other warranties and conditions, express or implied. CUSTOM expressly disclaims any other warranties and conditions, including statutory warranties and conditions and warranties and conditions of merchantability and fitness for a particular purpose other than the warranty expressly stated herein.

Warranty Requirements

CUSTOM installation requirements can be obtained by calling Technical Services at 800-272-8786 or through www.custombuildingproducts.com. A complete CUSTOM system of products must be used including mortars and grouts where applicable to qualify for this limited warranty. Surface preparation product selection is optional depending on the job requirements. All installations over 5,000 square feet must receive pre-approval by contacting a CUSTOM Architectural Services Representative. We offer pre-job inspections, call 800-272-8786 or visit www.custombuildingproducts.com. Multiple residence installations are considered as one installation.

Claims Procedures

If you wish to make a claim under this limited warranty, you must notify CUSTOM immediately in writing at: **Technical Services, Custom Building Products, 10400 Pioneer Blvd., Santa Fe Springs, CA 90670**. Include any and all information related to an alleged defect of the installation. The claim must be submitted in a timely fashion, and evaluated by CUSTOM before any repair work is done. CUSTOM reserves the right to physically inspect any project with a claim pending prior to determining validity of the claim. Proof of purchase is required. For any claim that is not valid, CUSTOM will be paid reasonable charges, including travel and labor, associated with investigation of such claim.

Limited System Warranty

	Lifetime	25 Years	10 Years
Suitable Substrates	Concrete	Concrete	Concrete
	Masonry	Masonry	Masonry
	Portland Cement Plaster	Portland Cement Plaster	Portland Cement Plaster
	Cement Backerboard	Cement Backerboard	Cement Backerboard
	Exterior Grade Plywood (interior, dry areas)	Exterior Grade Plywood (interior, dry areas)	Exterior Grade Plywood (interior, dry areas)
	Well Bonded Existing Ceramic Tile	Well Bonded Existing Ceramic Tile	Well Bonded Existing Ceramic Tile
			Gypsum Wallboard (interior wet or dry areas)
Surface Prep (As Needed)	LevelLite® High Performance Self-Leveling Underlayment	LevelLite® High Performance Self-Leveling Underlayment	LevelLite® High Performance Self-Leveling Underlayment
	LevelQuik® RS Rapid Setting Self-Leveling Underlayment	LevelQuik® RS Rapid Setting Self-Leveling Underlayment	LevelQuik® RS Rapid Setting Self-Leveling Underlayment
	LevelQuik® ES Extended Setting Self-Leveling Underlayment	LevelQuik® ES Extended Setting Self-Leveling Underlayment	LevelQuik® ES Extended Setting Self-Leveling Underlayment
Waterproofing (As Needed)	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane
	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane
	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat
	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane	RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane
MUST SELECT ONE FROM EACH CATEGORY BELOW			
Crack Isolation Membrane Requirement	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane	RedGard® Waterproofing and Crack Prevention Membrane
	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane	Custom® 9240 Waterproofing and Anti-Fracture Membrane
	EasyMat® Tile & Stone Underlayment	EasyMat® Tile & Stone Underlayment	EasyMat® Tile & Stone Underlayment
	Crack Buster® Pro Crack Prevention Mat Underlayment	Crack Buster® Pro Crack Prevention Mat Underlayment	Crack Buster® Pro Crack Prevention Mat Underlayment
	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat	RedGard® Uncoupling Mat
Mortar	MegaLite® Ultimate Crack Prevention Large Format Tile Mortar	Complete Contact™ Fortified Mortar	VersaBond®-LFT Professional Large Format Tile Mortar
	MegaLite® Ultimate Rapid Setting Crack Prevention Large Format Mortar	Complete Contact™ RS Fortified Mortar	VersaBond® Professional Thin-Set Mortar
	EBM-Lite™ Premium Epoxy Bonding Mortar	ProLite® Premium Large Format Tile Mortar	
	Natural Stone & Large Tile Premium Large Format Tile Mortar	ProLite® Premium Rapid Setting Large Format Tile Mortar	
	FlexBond® Premium Crack Prevention Thin-Set Mortar	Complete Contact™-LFT Premium Rapid Setting Large Format Tile Mortar	
	Glass Tile Premium Thin-Set Mortar	SpeedSet™ Professional Rapid Setting Thin-Set Mortar	
Grout	Prism® Ultimate Performance Cement Grout	Prism® Ultimate Performance Cement Grout	Prism® Ultimate Performance Cement Grout
	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout	Prism® SCG Ultimate Performance Pre-Mixed Single Component® Grout
	Fusion Pro® Single Component® Grout	Fusion Pro® Single Component® Grout	Fusion Pro® Single Component® Grout
	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout	CEG-IG™ Industrial Grade 100% Solids Epoxy Grout
	CEG-Lite™ 100% Solids Commercial Epoxy Grout	CEG-Lite™ 100% Solids Commercial Epoxy Grout	CEG-Lite™ 100% Solids Commercial Epoxy Grout
	Polyblend® Plus Sanded Grout or Non-Sanded Grout	Polyblend® Plus Sanded Grout or Non-Sanded Grout	Polyblend® Plus Sanded Grout or Non-Sanded Grout
	Polyblend® Sanded Grout or Non-Sanded Grout	Polyblend® Sanded Grout or Non-Sanded Grout	Polyblend® Sanded Grout or Non-Sanded Grout

Surface Preparation Guide

General Surfaces Preparation

Preparing the surface before installing tile is the most important step to ensure a long-lasting tile installation. Tile must be placed on a rigid, flat, structurally sound surface or problems could be encountered such as cracked tile, cracked grout or loose tile. The surface must also be clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Some surfaces are acceptable for direct bonding of tile and others are not. See the lists below.

Unacceptable Surfaces

These surfaces will not provide a bondable or stable surface for direct bonding of ceramic tile. Contact Technical Services for surface preparation suggestions.

- Particle, wafer and structure board
- Masonite®
- Hardwood or parquet floors
- Luan plywood
- Sponge or cushion-backed sheet vinyl flooring
- Self-adhesive vinyl squares
- Metal
- Fiberglass
- Wall coverings
- Unprimed plaster

Acceptable Surfaces

These surfaces must be properly prepared before installing tile. Surface preparation is a key factor in the success or failure of a tile installation. Although a surface may be listed as acceptable, if it is not properly prepared, loss of bond will occur.

- Concrete, mortar beds, masonry, self-leveling underlayments
- Cement backerboards
- EasyMat® Tile & Stone Underlayment
- Waterproof membranes — check with manufacturer
- Exposure 1 or APA exterior grade plywood
- Drywall
- Portland cement plaster
- Existing ceramic tile or terrazzo
- Plastic laminates
- Sheet vinyl flooring, VCT
- Properly prepared cutback adhesive
- Properly prepared OSB
- Properly prepared lightweight concrete
- Properly prepared post tensionable concrete

Concrete & Masonry

Concrete must be porous, fully cured (28 days), free of efflorescence (mineral deposits) and not subject to hydrostatic pressure. New concrete slabs should have a broomed or brushed finish to enhance the bond. Do not use any curing compounds. Older concrete slabs that are smooth should be roughened mechanically or chemically etched to ensure a good bond.

The surface should accept water penetration. Sprinkle water on various areas of the surface. If water penetrates, then a good bond can be achieved. If water beads or penetrates slowly, then surface contaminants are present and loss of adhesion can occur. The contaminants must be removed before installation. A high quality polymer-modified thin-set mortar should be used to ensure a long lasting installation (Refer to Setting Materials).

Expansion joints, control joints and cold joints should never be bridged or covered over with bonding mortar or mastic. They must be brought through the tile work and filled with an appropriate elastomeric sealant.

Cutback Adhesive Over Concrete

Adhesive layers must be removed as they reduce mortar bond strength to cement surfaces. Use extreme caution as adhesives may contain asbestos fibers.

Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. Adhesive residue must be wet-scraped to the finished surface of the concrete, leaving only the transparent staining from the glue. Do a test bond area first, to determine desirable results. Refer to the RFCI Pamphlet, "Recommended Work Practices for Removal of Resilient Floor Coverings" for further information.

Plywood — Interior Dry Areas Only

Floor must be flat and rigid with deflection or movement not to exceed 1/360 of the span including live and dead loads. When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements. Allow an 1/8" (3.2 mm) gap between plywood sheets and a 1/4" (6 mm) between sheet and wall for expansion.

Drywall — Interior Dry Areas Only

Must be properly fastened with joints taped. The drywall surface should be flat and plumb within an 1/8" in 8' (3 mm in 2.4 m). Remove loose particles and wipe with clean moist sponge. If drywall is painted, it's recommended that paint be sanded to expose the original drywall surface to guarantee an acceptable bond. If this is not possible, remove all peeling paint, sand and clean the surface thoroughly.

Existing Ceramic Tile, Plastic Laminates or Vinyl Flooring

Must be well bonded, clean and free from all surface contaminants. Roughen surface with coarse sandpaper or disc. Remove all loose particles and damp mop. Do not sand flooring containing asbestos.

NOTE: The use of a high quality polymer-modified thin-set, such as FlexBond® Premium Crack Prevention Thin-Set Mortar is recommended for these types of installations.

Backerboards & Underlayments

See the individual product data sheets for proper surface preparation and installation.

Facts About Impact Sound Reduction Testing

The need for impact sound reduction

In multi-family, multi-story dwellings, it is important that the occupants do not hear excessive noise from the room above. With well engineered floors, walls and ceilings, it is possible to minimize the noise from surrounding rooms. Hard surfaces, like ceramic tile, are known for generating loud sounds when impacted. The challenge is to control that sound so that it is not transmitted through the floor and ceiling and into the room below. Overall floor mass will help reduce sound.

According to the Tile Council of North America, a 6-inch thick concrete slab will reduce sound transmission by 24 to 32 decibels (dB) and an 8-inch slab will reduce the sound 25 to 35 dB. Most owners and communities require that the Impact Insulation Class (IIC) of the floor/ceiling is greater than 50 dB. To achieve this, insulation material needs to be placed in the ceiling below or beneath the hard surface flooring. Installation product manufacturers have developed many membrane options that can be installed under ceramic tile to increase the IIC of the floor.

Understanding sound test results

Laboratory testing is used to rate the effectiveness of a tile assembly to reduce sound transmission. ASTM E492 is used in the laboratory to measure the IIC of a specific floor/ceiling assembly. The value obtained will be dependent on the thickness of the concrete slab, the type of hard surfacing installed, the type of ceiling installed below the floor and any sound insulating material used.

Since it is impossible, and expensive, to test every scenario possible, the industry developed ASTM E2179 which reports the sound reduction contribution of just the insulation membrane alone as the Delta IIC for the membrane. An approximate sound reduction for the assembly can be determined by adding the Delta IIC of the

membrane to the existing floor IIC value. For example, adding a membrane with a Delta IIC of 20 dB to a bare 6-inch concrete slab will reduce the sound transmission 44 to 52 dB. Nearly all laboratory testing of construction products will have an uncertainty in the reported test results, due to normal laboratory variance. For ASTM E2179, this can be +/- 3 dB and any reported Delta IIC is actually a range, such as 17 to 23 dB, so when added to a bare 6-inch slab, the total IIC could range between 41 and 55.

To simplify the process of selecting the appropriate membrane, most manufacturers will report in their marketing a single, typical Delta IIC value that one can expect in actual installations. Most often this value is within the range of the laboratory testing and is verified by multiple field tests in actual living spaces. If it is important to know the absolute sound reduction of a specific dwelling, we suggest that a field test of a mock up is performed per ASTM E1007. This will provide an actual total IIC for the structure that is in question.

Choosing a membrane

CUSTOM offers several membrane options that provide crack isolation for tile in addition to contributing high and credible impact sound transmission reduction.

EasyMat® Tile and Stone Underlayment is a lightweight, versatile mat created with SoundGard® Technology. It can be installed over any acceptable subfloor and will not rot, shrink or absorb water. EasyMat comes in a mortar-installed or peel and stick format in three thicknesses to meet the needs of different projects. Here are the respective Delta IIC contributions towards impact sound transmission reduction:

- 4' x 100' x 3 mm – 16 dB
- 4' x 75' x 5 mm – 20 dB
- 4' x 30' x 12 mm – 23 dB
- 4' x 10' x 5 mm – 20 dB

The information in this bulletin is presented in good faith, but no warranty, express or implied, is given nor is freedom from any patent in as much as any assistance furnished by CUSTOM with reference to the safe use and disposal of its products provided without charge. Custom Building Products assumes no obligation or liability therefore, except to the extent that any such assistance shall be given in good faith.

CrackBuster® Pro Crack Prevention Mat Underlayment is a self-bonding, fabric reinforced, asphaltic membrane that isolates substrate cracks up to 3/8". CrackBuster Pro delivers 18 dB of Delta IIC sound transmission reduction.

Details of the tests

ASTM E-2179-03 is a test method to determine the effectiveness of floor coverings in reducing impact sound transmission through floors. Three results are noted in the report on following this test:

- IIC of bare floor
- Total IIC of the final assembly with floor covering
- IIC (contributed or Delta IIC value) of the floor covering assembly

This test provides a reliable estimate of the increase in IIC delivered by a floor system.

Lab testing is based on a room of a specified dimension and construction, with controlled air qualities and limited outside variables to influence results. A lab test report has a variability of +/- 3 IIC points to achieve 95% confidence levels.

"The uncertainty limit of the impact noise test data is less than 3 dB for the 1/3 octave bands centered in the range from 100 to 400 Hz, and less than 2.5 dB for the bands centered on the range from 500 to 3150 Hz."

– ASTM certified lab report from Intertek.

Field test results of a given floor covering can vary from location to location, and even from test-to-test in the same location due to the many variables of a given room/location. These include room size; furnishings in the room; street noise, elevators, and other sources of noise; construction details; and air density, humidity, temperature, etc.

A note about STC

Sound Transmission Class (STC) is a measure of airborne (such as speaking or music) sound reduction through walls and floors of buildings. STC sound issues in a building are largely influenced by the density of the mass of the structure. ASTM E90-90 is used to measure the effectiveness of a wall or floor assembly to control airborne sound. To control airborne sound, it is more important that all penetrations are filled with appropriate materials to block sound transmission.

Insulation membranes under ceramic tile do very little to reduce the transmission of airborne sound. There is no test to isolate and determine the contribution (if any) value of a sound reduction underlayment to the STC number. CUSTOM products are designed and installed to address impact noise (IIC). Contact CUSTOM's Technical Service Department at 800-282-8786 if you have questions concerning these methods or products.

SpeedSlope®

Rapid Setting Sloping Mortar

Product Description

SpeedSlope® is a rapid setting, rapid hardening, polymer-modified, pre-blended, cement based mortar bed and sloping mortar for leveling and ramping up to 3" on horizontal substrates and up to 5" thick in confined areas such as trenches. It may be also used for walls and countertops. SpeedSlope sets to a walkable hardness within one to two hours for installation of ceramic tile & natural stone tile flooring.

Formulated for dimensional stability and exceptional bond strength, SpeedSlope is ideal for pre-sloping under waterproofing membranes and mortar beds in shower applications, for countertops and patching.

Key Features

- Pre-blended, polymer-modified mortar bed – just add water and mix
- Rapid setting – allows tile setting in 1-2 hours
- Meets requirements of ANSI A108.1
- Excellent for shower pre-slopes
- Can be used in wet and dry applications
- Perfect for deep floor patches
- Exceptionally smooth finish
- 4:1 blended cement base suitable for shower receptors

Suitable Substrates

- Interior or exterior concrete and masonry surfaces
- Existing finishes and substrates with suitable preparation or priming
- Exterior grade plywood with lath (dry applications only)
- RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane, RedGard® Waterproofing and Crack Prevention Membrane, Cement backerboard units

Limitations to the Product

- SpeedSlope is an underlayment and not recommended as a permanent wear surface
- Limited to ~30 minutes of working time (roughly 3' x 5' area per placement)



- Some flooring finishes may require longer cure times to obtain lower moisture levels
- Do not apply directly over wood, metal*, fiberglass, plastic and OSB panels*, lightweight concrete, gypsum underlayment, particle board, hardwood or Parquet floors.

*May be installed with use of primers or membranes

Packaging

50 lb. (22.68 kg) bag

Technical Data

Applicable Standards

American National Standards Institute (ANSI)

- ANSI A108.1 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C579 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute (RFCI)

- Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA)

- TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

TEST	SPEC	DURATION	2.75 QTS	3.75 QTS
Compressive Strength (psi)	ASTM C579 Method B	4 Hours	>1800 psi	>1200 psi
		24 Hours	>2500 psi	>1500 psi
		7 Days	>4000 psi	>2500 psi
		28 Days	>4000 psi	>3000 psi

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	SS50	50 lb. (22.68 kg)	Bag
Canada	CSS50	50 lb. (22.68 kg)	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

- 50 lbs (0.5 cu ft) will cover 5 ft² @1" thickness
- Five to six 50 lb bags will complete a mortar bed for 3' x 5' shower base

*Chart for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

CustomFloat® Bedding Mortar

Product Description

A lightweight Portland cement-based, pre-blended mortar for use as a bedding or brown coat. Formulated for very low shrinkage and exceptional bond strength. Use on floors, walls and counters and for overhead work such as showers, arches and coves. Just add water and mix. No job site blending of powders required.

Key Features

- Pre-blended, lightweight mud bed
- Low shrinkage, excellent bond strength
- For floors, walls and countertops
- Excellent for overhead work

Suitable Tile Types

- Ceramic tile, pavers, brick
- Stone, terrazzo
- Carpet
- Wood, parquet
- VCT
- Sheet vinyl flooring
- Laminated flooring

Suitable Substrates

- Concrete
- Cement backerboards
- RedGard® Waterproofing and Crack Prevention Membrane
- Exterior grade plywood (interior applications)
- Ceramic tile, pavers, brick
- Stone
- Concrete terrazzo
- Sheet vinyl
- VCT
- Cutback adhesive (non-water soluble)

Limitations to the Product

- Do not use over lightweight concrete, gypsum underlayment, OSB, particle board, hardwood
- Parquet floors, metal
- Do not use when the temperature is below 50°F (10°C)

Packaging

50 lb. (22.68 kg) bag



Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength Resilient Floor Covering Institute (RFCI) — Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
CFT50	50 lb. (22.68 kg)	Gray	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)	
THICKNESS	MIN COVERAGE
1/2" (13 mm)	25 sq. ft. (2.3 m ²)

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

SpeedFinish™ Patching & Finishing Compound

Product Description

A fast-curing, cement-based patching and skim coating compound that provides a smooth finish to a variety of substrates prior to the installation of floor coverings. Excellent as an embossed vinyl floor leveler. Apply from feather edge up to 1/2" (13 mm) thick. Formulated with Controlled Cure Technology®, SpeedFinish™ eliminates installation problems of bond failure, crumbling and staining of resilient flooring due to free-moisture found in traditional underlayments. It allows installation of most floor coverings in as little as 15 minutes. SpeedFinish can also be used as a skim coat or encapsulation material over RedGuard® Waterproofing and Crack Prevention Membrane when installing resilient floor coverings.

Key Features

- For patching and repairing floor surfaces
- Engineered with Controlled Cure Technology; install most floor coverings in 15 minutes
- Eliminates installation problems

Suitable Tile Types

- Ceramic tile, pavers, brick
- Stone, terrazzo
- Carpet
- Wood, parquet
- VCT
- Sheet vinyl flooring
- Laminated flooring

Suitable Substrates

- Concrete
- Cement backerboards
- RedGuard® Waterproofing and Crack Prevention Membrane
- Exterior grade plywood (interior applications)
- Ceramic tile, pavers, brick
- Stone
- Concrete terrazzo
- Sheet vinyl
- VCT
- Cutback adhesive (non-water soluble)



Composition of Product

SpeedFinish is a blend of specialty Portland cements, recycled aggregates and chemicals.

Benefits of Product in the Installation

- Engineered with Controlled Cure Technology
- Fast curing for time critical installations
- Install most floor coverings in as little as 15 minutes
- Eliminates bond failure and crumbling of resilient flooring
- No additives or primers required

Limitations to the Product

- Do not use over lightweight concrete, gypsum.
- Underlayment, OSB, particle board, hardwood or parquet floors, metal.
- Do not use over cushion backed vinyl flooring.
- Do not use when the temperature is below 50°F (10°C).

Packaging

10 lb. (4.54 kg) box

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength Resilient Floor Covering Institute (RFCI) — Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	SF10	10 lb. (4.54 kg)	Box
Canada	CSF10	10 lb. (4.54 kg)	Box

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 10 LB BOX (SQUARE METER PER 4.54 KG)		
THICKNESS	MIN COVERAGE	MAX COVERAGE
Skim Coat	250 sq. ft. (423 m ²)	300 sq. ft. (28 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Skim Coat & Patch Cement Underlayment

Product Description

A fast-setting, polymer-modified, cement-based compound that provides a smooth finish to interior and exterior subfloors prior to the installation of a floor covering. Mix with water to patch and level concrete or plywood as thick as 1/2" (13 mm); mix with Patching Latex Additive to form an ultra high-strength system over a variety of floor coverings or as an embossed vinyl floor leveler.



Key Features

- Patches and smooths existing flooring
- Install new flooring in just 60 - 90 minutes
- Smooth finish - feather edge to 1/2" (13 mm) thick
- Polymer-modified for strength

Suitable Tile Types

- Ceramic tile, pavers, brick
- Stone, terrazzo
- Carpet
- Wood, parquet
- VCT
- Sheet vinyl flooring
- Laminated flooring

Suitable Substrates

- Concrete
- Cement backerboards
- RedGuard® Waterproofing and Crack Prevention Membrane
- Exterior grade plywood (interior applications)
- Ceramic tile, pavers, brick
- Stone
- Concrete terrazzo
- Sheet vinyl
- VCT
- Cutback adhesive (non-water soluble)

Composition of Product

Skim Coat & Patch Cement Underlayment is a blend of Portland cement, sand, and inorganic polymers.

Benefits of Product in the Installation

- Quick-setting formula permits floor covering installation in as little as 60 - 90 minutes
- Smooths the finishes on interior and exterior subfloors
- Patches and levels concrete and plywood to 1/2" (13 mm)
- Combines with Patching Latex Additive for added floor system strength

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particleboard, parquet, cushion or sponge back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Do not use over lightweight concrete or gypsum underlayment, OSB, particleboard, hardwood floors, parquet floors or metal.
- Do not use over cushion backed vinyl flooring.
- Do not use when temperature is below 50°F (10°C).

Packaging

25 lb. (11.34 kg) bag

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength Resilient Floor Covering Institute (RFCI) — Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	LQCSP25	25 lb. (11.34 kg)	Bag
Canada	CLQCSP25	25 lb. (11.34 kg)	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 25 LB BAG (SQUARE METER PER 11.34 KG)		
THICKNESS	MIN COVERAGE	MAX COVERAGE
1/8" (3.2 mm)	25 sq. ft. (2.3 m ²)	27 sq. ft. (2.5 m ²)

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Patching & Leveling Latex Additive

Product Description

Increases adhesion and performance when skim coating or patching hard-to-bond surfaces. Use in place of water to increase the bond strength of appropriate CUSTOM patching compounds. When mixed with an appropriate CUSTOM patching compound, it forms an ultra, high-strength system over ceramic tile, stone, terrazzo, vinyl sheet goods, VCT or cutback adhesive residue.

Key Features

- Increases bond strength of patching and leveling compounds
- Improves adhesion over hard-to-bond surfaces
- Mix with Skim Coat & Patch for an ultra high-strength system

Uses

Use in place of water for increased bond strength.

Suitable Tile Types

- Ceramic tile, pavers, brick
- Stone, terrazzo
- Carpet
- Wood, parquet
- VCT
- Sheet vinyl flooring
- Laminated flooring

Suitable Substrates

- Concrete
- Cement backerboards
- RedGard® Waterproofing and Crack Prevention Membrane
- Exterior grade plywood (interior applications)
- Ceramic tile, pavers, brick
- Stone
- Concrete terrazzo
- Sheet vinyl
- VCT
- Cutback adhesive (non-water soluble)



Packaging

1 gallon (3.78 L) bottle

Availability & Cost

ITEM CODE	SIZE	PACKAGE
LQLA1	1 gallon (3.78 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Related Products

SpeedFinish™ Patching & Finishing Compound
 Skim Coat & Patch Cement
 Underlayment

LevelLite® High-Flow Lightweight Self-Leveling Underlayment

Product Description

Formulated with CustomLite® Technology, LevelLite® is 40% lighter than other self-leveling underlayments, making it easier to pour and carry. Weighing just 3 lbs (1.36 kg) per square foot at 1/2" (13 mm) thickness, 3 lbs (1.36 kg) lighter than traditional underlayments, it is excellent for installations where weight is a concern. Will not shrink or crack. A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag. LevelLite helps level floors prior to the installation of ceramic tile, natural stone, resilient flooring, carpet, wood and other floor coverings. This quick setting underlayment can be applied to 2" (5 cm) thick in one pour and seeks its own level in minutes. With proper installation, the use of LevelLite can achieve an extra heavy rating for high impact use in food plants, dairies, breweries and kitchens. LevelLite may be applied to in residential structures with floor joists up to 24" o.c. Formulated using Controlled Cure Technology®, LevelLite helps eliminate installation problems such as bond failure, crumbling and staining of resilient flooring caused by the free moisture found in traditional underlayments.

Key Features

- Lightweight formula for superior handling plus fast and easy leveling
- Levels from feather edge up to 2" (5 cm) in one pour
- Walkable in 4 hours
- Exceeds TCNA requirements for ceramic tile installations

Uses

Suitable as an Underlayment for:

- Carpet
- Wood and parquet flooring
- Luxury Vinyl Tile/Planks (LVT/LVP)
- Vinyl composition flooring (VCT)
- Sheet vinyl and rubber flooring
- Laminated flooring
- Ceramic, mosaic, quarry or cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Natural stone tile
- Terrazzo



Suitable Substrates

- Absorbent and non-absorbent concrete
- Lightweight concrete
- Gypsum-based underlayment
- Existing ceramic tile
- Cement and epoxy terrazzo
- Exterior grade plywood and OSB
- Cutback adhesive residue
- Well adhered resilient flooring
- Properly prepared steel and aluminum

Composition of Product

LevelLite is a dry, proprietary blend of copolymers, Portland cement, post industrial and consumer recycled aggregate and inorganic chemicals.

Benefits of Product in the Installation

- This product contributes to LEED®
- Can be applied from feather edge to 2" (5 cm) thick in a single pour
- Reduces bond failure and crumbling of resilient flooring
- Cures fast and develops high early strength for quick installation
- Rated for extra heavy use on wood subfloors with joists to 24" (61 cm) per ASTM C627
- Not formulated with silica sand

Limitations to the Product

- For use in interior dry areas. Ambient, substrate and product temperature is to be between 50° F (10° C) 90° F (32° C). Chill or warm water when needed to make mixture fall between these temperatures.
- Assure that substrates are not wet from condensation in ambient conditions of high humidity. High humidity conditions may affect surface drying and subsequently final results.

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass or plastic. Contact technical services for recommendations.
- Do not use as a permanent wear surface.
- Do not use on sloped surfaces that require drainage.
- Precautions for finished flooring deflection and movement joint requirements should be considered when applying over post-tensioned concrete, pre-stressed concrete or prefabricated concrete planks. Contact technical services for further details.

Packaging

30 lb. (13.6 kg) bag

Technical Data

Applicable Standards

ASTM International (ASTM)

- ASTM C1708 Standard Test Methods for Self-leveling Mortars Containing Hydraulic Cements
- ASTM F2873 Standard Practice for the Installation of Self-Leveling Underlayment and the Preparation of Surface to Receive Resilient Flooring
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

Resilient Floor Covering Institute (RFCI)
Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

American National Standards Institute (ANSI)
ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULT @70°F (21°C) and 50%RH
Pot Life (in bucket)		>30 Minutes
Healing Time (Re-heal)	ASTM C-1708	>10 Minutes
Compressive Strength at 28 days	ASTM C-1708	>3,000 psi
Flexural Strength at 28 days	ASTM C-348	>500 psi (3.45 MPa)
Walkable Hardness		2 - 4 Hours
Installed Density - Dry		~ 65-72lbs/ft ³
Robinson Test	ASTM C-627	Extra Heavy
Time Before Installing Floor Covering		
Ceramic tile/Non-moisture sensitive floor covering		>4 Hours
Moisture-sensitive floor coverings		>16 Hours

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

Availability & Cost

ITEM CODE	SIZE	PACKAGE
LLSLU30	30 lb. (13.6 kg)	Bag

Product Maintenance

Properly installed product requires no special maintenance. LevelLite® is not recommended as a finish or wear surface.

Coverage*

SQUARE FOOT COVERAGE PER 30 LB BAG (SQUARE METER PER 13.6 KG)	
THICKNESS	COVERAGE
1/8" (3.17 mm)	45 sq. ft. (4.1 m ²)
1/4" (6.35 mm)	22.5 sq. ft. (2 m ²)
1/2" (12.7 mm)	11.25 sq. ft. (1 m ²)
1" (25.4 mm)	5.62 sq. ft. (0.52 m ²)
2" (50.8 mm)	2.81 sq. ft. (0.26 m ²)

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

LevelQuik® RS (Rapid Setting) Self-Leveling Underlayment

Product Description

LevelQuik® RS is a premium, calcium aluminate based, high quality self-leveling underlayment that achieves greater than 4300 psi compressive strength and incorporates low-prep technology. LevelQuik RS levels floors prior to the installation of ceramic tile, natural stone tile, resilient flooring, carpet, wood and other floor coverings. This quick setting underlayment can be applied up to 1.5" (3.8 cm) thick in one pour and seeks its own level in minutes. Formulated to have excellent compressive strength, LevelQuik RS may be applied in residential structures with floor joists up to 24" (61 cm) o. c. Formulated using Controlled Cure Technology™, LevelQuik RS helps eliminate installation problems such as bond failure, crumbling and staining of resilient flooring caused by the free moisture found in traditional underlayment.

Key Features

- Low Prep Formula; Just Clean, Prime & Pour
- Superior Crack Resistance – Formula reduces shrinkage & minimizes cracks
- 4,300 PSI Compressive Strength
- Exceeds ASTM requirements for resilient floor covering installations
- High flow formula has excellent handling and exceptional flow retention properties
- Crack resistant

Uses

Suitable as an Underlayment for:

- Carpet
- Wood and parquet flooring
- Luxury Vinyl Tile/Planks (LVT/LVP)
- Vinyl composition flooring (VCT)
- Sheet vinyl and rubber flooring
- Laminated flooring
- Ceramic, mosaic, quarry or cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Natural stone tile
- Terrazzo

Suitable Substrates

- Absorbent and non-absorbent concrete
- Lightweight concrete
- Gypsum-based underlayment



- Existing ceramic tile
- Cement and epoxy terrazzo
- Exterior grade plywood and OSB
- Cutback adhesive residue
- Well adhered resilient flooring
- Properly prepared steel and aluminum

Composition of Product

LevelQuik RS is a proprietary dry blend of copolymers, cements, and inorganic chemicals.

Benefits of Product in the Installation

- No shot blasting required on acceptable surfaces
- Can be applied from featheredge to 1.5" (3.8 cm) thick in a single pour
- Reduces bond failure and crumbling of resilient flooring
- Cures fast and develops high early-strength for quick installation
- Rated for extra heavy use on concrete and wood subfloors with joists to 24" (61 cm) per ASTM C627

Limitations to the Product

- For use in interior dry areas and limited exterior areas such as covered entryways and porches. areas Ambient, substrate and product temperature is to be between 50° F (10° C) 90° F (32° C). Chill or warm water when needed to make mixture fall between these temperatures.
- Assure that substrates are not wet from condensation in ambient conditions of high humidity. High humidity conditions may affect surface drying and subsequently final results.

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass or plastic. Contact technical services for recommendations.
- Do not use as a permanent wear surface.
- Do not use on sloped surfaces that require drainage.
- Precautions for finished flooring deflection and movement joint requirements should be considered when applying over post-tensioned concrete, pre-stressed concrete or prefabricated concrete planks. Contact technical services for further details.

Packaging

50 lb. (22.68 kg) bag

Technical Data

Applicable Standards

ASTM International (ASTM)

- ASTM C1708 Standard Test Methods for Self-leveling Mortars Containing Hydraulic Cements
- ASTM F2873 Standard Practice for the Installation of Self-Leveling Underlayment and the Preparation of Surface to Receive Resilient Flooring
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring

Resilient Floor Covering Institute (RFCI)
Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

American National Standards Institute (ANSI) ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULT @70°F (21°C) and 50%RH
Pot Life (in bucket)		>15 Minutes
Healing Time (Re-heat)	ASTM C-1708	>18 Minutes
Compressive Strength at 28 days	ASTM C-1708	>4,300 psi
Flexural Strength at 28 days	ASTM C-348	>850 psi (5.8 MPa)
Walkable Hardness		2 – 4 Hours
Installed Density - Dry		105.0-112.0 lb/ft ³
Robinson Test	ASTM C-627	Extra Heavy
Time Before Installing Floor Covering		
Ceramic tile/Non-moisture sensitive floor covering		>4 Hours
Moisture-sensitive floor coverings		>16 Hours
Moisture-sensitive floor coverings at 1/8" (3 mm) nominal thickness in moderate temperatures and relative humidity conditions		>4 Hours

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification: Up to 2 points towards MR Credit 5, Regional Materials

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	LQ50	50 lb. (22.68 kg)	Bag
Canada	CLQ50	50 lb. (22.68 kg)	Bag

Product Maintenance

Properly installed product requires no special maintenance. LevelQuik® RS is not recommended as a finish or wear surface.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)	
THICKNESS	COVERAGE
1/8" (3.18 mm)	46 - 48 ft ² (4.2 - 4.4 m ²)
1/4" (6.35 mm)	23 - 24 ft ² (2.1 - 2.2 m ²)
1/2" (12.7 mm)	11.5 - 12 ft ² (1.05 - 1.1 m ²)
1" (25.4 mm)	5.75 - 6 ft ² (0.52 - 0.55 m ²)
1.5" (38.1 mm)	3.8 - 4 ft ² (0.35 - 0.37 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Related Products

LevelQuik® Advanced Primer

LevelQuik® ES (Extended Setting) Self-Leveling Underlayment

Product Description

LevelQuik® ES is a premium, calcium aluminate based, high quality self-leveling underlayment that achieves greater than 4300 psi compressive strength and incorporates low-prep technology. LevelQuik ES levels floors prior to the installation of ceramic tile, natural stone tile, resilient flooring, carpet, wood and other floor coverings. This quick setting underlayment can be applied up to 1.5" (3.8 cm) thick in one pour and seeks its own level in minutes. Formulated to have excellent compressive strength, TechLevel 150 may be applied in residential structures with floor joists up to 24" (61 cm) o. c.

Formulated using Controlled Cure Technology™, LevelQuik ES helps eliminate installation problems such as bond failure, crumbling and staining of resilient flooring caused by the free moisture found in traditional underlayment.

Key Features

- Low Prep Formula; Just Clean, Prime & Pour
- Superior Crack Resistance - Formula reduces shrinkage & minimizes cracks
- >4,300 PSI Compressive Strength
- Exceeds ASTM requirements for resilient floor covering installations
- High flow formula has excellent handling and exceptional flow retention properties
- Crack resistant

Uses

Suitable as an Underlayment for:

- Carpet
- Wood and parquet flooring
- Luxury Vinyl Tile/Planks (LVT/LVP)
- Vinyl composition flooring (VCT)
- Sheet vinyl and rubber flooring
- Laminated flooring
- Ceramic, mosaic, quarry or cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Natural stone tile
- Terrazzo



Suitable Substrates

- Absorbent and non-absorbent concrete
- Lightweight concrete
- Gypsum-based underlayment
- Existing ceramic tile
- Cement and epoxy terrazzo
- Exterior grade plywood and OSB
- Cutback adhesive residue
- Well adhered resilient flooring
- Properly prepared steel and aluminum

Composition of Product

LevelQuik ES is a proprietary dry blend of copolymers, cements and inorganic chemicals.

Benefits of Product in the Installation

- No shot blasting required on acceptable surfaces
- Can be applied from feather edge to 1.5" (5 cm) thick in a single pour
- Reduces bond failure and crumbling of resilient flooring
- Cures fast and develops high early strength for quick installation
- Rated for extra heavy use on wood subfloors with joists to 24" (61 cm) per ASTM C627

Limitations to the Product

- For use in interior dry areas. Ambient, substrate and product temperature is to be between 50° F (10° C) 90° F (32° C). Chill or warm water when needed to make mixture fall between these temperatures.

- Assure that substrates are not wet from condensation in ambient conditions of high humidity. High humidity conditions may affect surface drying and subsequently final results.
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass or plastic. Contact technical services for recommendations.
- Do not use as a permanent wear surface.
- Do not use on sloped surfaces that require drainage.
- Precautions for finished flooring deflection and movement joint requirements should be considered when applying over post-tensioned concrete, pre-stressed concrete or prefabricated concrete planks.
- Contact technical services for further details.

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171
 American National Standards Institute (ANSI) ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULT @70°F (21°C) and 50%RH
Pot Life (in bucket)		>15 Minutes
Healing Time (Re-heal)	ASTM C-1708	>18 Minutes
Compressive Strength at 28 days	ASTM C-1708	>4,000 psi
Flexural Strength at 28 days	ASTM C-348	>800 psi (5.5 MPa)
Walkable Hardness		12 Hours
Installed Density - Dry		105.0-112.0 lb/ft ³
Robinson Test	ASTM C-627	Extra Heavy
Time Before Installing Floor Covering		
Ceramic tile/Non-moisture sensitive floor covering		18 – 24 Hours
Moisture-sensitive floor coverings		>30 Hours

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials

Packaging

50 lb. (22.68 kg) bag

Technical Data

Applicable Standards

ASTM International (ASTM)

- ASTM C1708 Standard Test Methods for Self-leveling Mortars Containing Hydraulic Cements
- ASTM F2873 Standard Practice for the Installation of Self-Leveling Underlayment and the Preparation of Surface to Receive Resilient Flooring
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	LQESL50	50 lb. (22.68 kg)	Bag
Canada	CLQESL50	50 lb. (22.68 kg)	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)	
THICKNESS	COVERAGE
1/8" (3.18 mm)	46 - 48 ft ² (4.2 - 4.4 m ²)
1/4" (6.35 mm)	23 - 24 ft ² (2.1 - 2.2 m ²)
1/2" (12.7 mm)	11.5 - 12 ft ² (1.05 - 1.1 m ²)
1" (25.4 mm)	5.75 - 6 ft ² (0.52 - 0.55 m ²)
1.5" (38.1 mm)	3.8 - 4 ft ² (0.35 - 0.37 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Related Products

LevelQuik[®] Advanced Primer

LevelQuik® Advanced Primer

Product Description

LevelQuik® is a primer/sealer that prepares surfaces for the application of LevelQuik® or LevelLite® Self-Leveling Underlayment. It seals porous surfaces and improves the bond of underlayment.

Key Features

- Prepares surfaces for self-leveling underlayments
- Improves adhesion
- Seals porous surfaces

Suitable Substrates

- Absorbent concrete
- Lightweight concrete
- Cement terrazzo
- Exterior grade plywood
- OSB

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass or plastic.
- Do not use as a wear surface.
- LevelQuik Latex Primer should not be installed at ambient temperatures below 50°F (10°C) or above 90°F (32°C).
- Concrete substrate tensile strength must be greater than 200 psi (1.4 N/mm²).
- Repair all dormant or non-moving cracks before installation of LevelQuik Latex Primer.
- Honor all expansion and movement joints, through primer and underlayment.
- Use MBP Multi-Surface Bonding Primer for non-porous surface

Packaging

1 quart bottle
1 gallon bottle

Availability & Cost



	ITEM CODE	SIZE	COLOR	PACKAGE
USA	CPQT	1 quart (.946 L)	White	Bottle
USA	CP1	1 gallon (3.78 L)	White	Bottle
Canada	CCPQT	1 quart (.946 L)	White	Bottle
Canada	CCP1	1 gallon (3.78 L)	White	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 Quart (946 mL) Undiluted	100 ft ² (9.3 M ²)	150 ft ² (13.93 M ²)
1 Quart (946 mL) Porous 1:3 (primer:water)	150 ft ² (13.93 M ²)	300 ft ² (27.89 M ²)
1 Gallon (3.78 L) Undiluted	400 ft ² (37.16 M ²)	600 ft ² (55.74 M ²)
1 Gallon (3.78 L) Porous 1:3 (primer:water)	600 ft ² (55.74 M ²)	1200 ft ² (111.48 M ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Related Products

LevelLite® High Performance
Self-Leveling Underlayment

LevelQuik® RS Self-Leveling Underlayment

LevelQuik® ES Self-Leveling Underlayment

RedGard® Waterproofing and Crack Prevention Membrane

Product Description

A ready-to-use elastomeric waterproofing membrane for both commercial and residential tile and stone application. Suited for interior and exterior substrates, RedGard® creates a continuous waterproofing barrier with outstanding adhesion and reduces crack transmission in tile and stone floors. It bonds directly to clean metal drains, PVC, stainless steel and ABS drain assemblies and can be used as a slab-on-grade moisture vapor barrier under all types of floor coverings.



Key Features

- Ready to use - Roll it on
- Quick dry formula
- Listed with IAPMO for use as a shower pan liner

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement backerboards
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks - Contact technical services
- Post-Tension Concrete - Contact technical services
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring
- Floor heating systems - contact Technical Services

Composition of Product

RedGard is a liquid-applied elastomeric waterproofing material that cures to form a monolithic membrane.

Benefits of Product in the Installation

- Easy to use and can be applied by roller, trowel or airless sprayer
- Rated for extra heavy duty service
- Reduces curing time with quick-dry formula
- Isolates cracks to 1/8" (3.2 mm)
- Suitable for waterproofing pools, spas and water features
- Meets Uniform Plumbing Code specifications for use as a shower pan liner

Limitations to the Product

- Do not apply to surfaces that may drop below 40°F (4°C) within 72 Hours of application.
- Do not apply over wet surfaces or surfaces subject to hydrostatic pressure.
- Do not use to bridge or cover over existing expansion, control, construction, cold or saw cut joints; use Crack Buster® Pro Crack Prevention Mat Underlayment for control, cold or saw cut joints.
- Do not use as an adhesive.
- Do not use as a wear surface; the membrane must be covered with tile or other permanent flooring.
- Do not use solvents in conjunction with the membrane.

Packaging

1 gallon (3.78 L) pail

3.5 gallon (13.25 L) pail

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
ANSI A108.01, A108.17, A118.10 and A118.12
American National Standards for the
Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics

Tile Council of North America (TCNA) —
TCNA Handbook for Ceramic Tile Installation,
TCNA Method EJ171, F125 & F125A

Approvals

RedGuard has tested and complies with Uniform Plumbing Code and International Plumbing Code standards for use as a shower pan liner per IAPMO Research and Testing, Inc., File No. 4244. RedGuard has tested and complies with International Building Code (IBC), International Residential Code (IRC) and International Plumbing Code (IPC) standards for water resistance per ICC Evaluation Service, ESR-413. RedGuard complies with the Product Control Division of the Miami Dade County Building Code Compliance Office for waterproofing standards and has earned a Notice of Acceptance (NOA), File No. 07-1010.16. RedGuard conforms to "safing material" requirements established by the Wisconsin Administrative Code, Chapter Comm 84.30-6f.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	16 lbs/2" (7.3 kg/ 5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	484 psi (34 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.05%
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass at 25 mils dry
Steam Shower Requirement	ASTM E-96 Method E	< 0.5 perms	0.35 perms at 30 mils dry
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	267 psi (18.8 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	89 psi (6.3 kg/cm ²)
System Crack Resistance			
Standard Performance	A118.12 Section 5.4	>1/16" and <1/8"	Pass at 30 mils dry
High Performance	A118.12 Section 5.4	> 1/8" (3.2 mm)	Pass at 30 mils dry
Point Load	A118.12 Section 5.2	>1000 lbs	>1000 psi
Robinson Test	A118.12 Section 5.3	As specified	14 Cycles, Extra Heavy
VOC Content	EPA Method 24	SQAQMD Rule 113/CARB SCM 2019 (<100 g/L)	<5 g/L (0% CARB VOC)
VOC Emissions	Complies with CA Section 01350 & CDPH V1.2-2017		Compliant (TVOC= 0.5 mg/m ³ or less



Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	LQWAF1-2	1 gallon (3.78 L)	Pink	Pail
USA	LQWAF3	3.5 gallon (13.25 L)	Pink	Pail
Canada	CLQWAF1-2	1 gallon (3.78 L)	Pink	Pail
Canada	CLQWAF3	3.5 gallon (13.25 L)	Pink	Pail

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Coverage*

RedGard as Crack Prevention Membrane:

SIZE	COVERAGE
1 gallon (3.78 L)	100 sq. ft. (9.3 m ²)
3.5 gallon (13.25 L)	350 sq. ft. (32.5 m ²)

RedGard as Crack Prevention Membrane meeting ANSI A118.12:

SIZE	COVERAGE
1 gallon (3.78 L)	25 sq. ft. (2.3 m ²)
3.5 gallon (13.25 L)	88 sq. ft. (8.2 m ²)

RedGard as Waterproof Membrane

SIZE	COVERAGE
1 gallon (3.78 L)	55 sq. ft. (5.1 m ²)
3.5 gallon (13.25 L)	192 sq. ft. (17.8 m ²)

RedGard as IAPMO Shower Pan Liner meeting ANSI A118.10:

SIZE	COVERAGE
1 gallon (3.78 L)	40 sq. ft. (3.7 m ²)
3.5 gallon (13.25 L)	140 sq. ft. (13 m ²)

*Charts are for estimating purposes.
Coverage may vary based on installation practices and jobsite conditions.

RedGard® SpeedCoat® Rapid Curing Waterproofing Membrane

Product Description

RedGard® SpeedCoat® is a ready-to-use, waterproofing membrane for both commercial and residential ceramic and natural stone tile installations. Suited for interior substrates, RedGard SpeedCoat creates a continuous waterproofing barrier with outstanding adhesion. It bonds directly to clean metal, PVC, stainless steel and ABS drain assemblies.

RedGard SpeedCoat features cross linking moisture cure technology that produces exceptionally fast curing times (as quick as one hour per coat). This helps in the ability to flood test and install a shower system in one day, unlike typical membranes. Its moisture-cure technology allows it to cure effectively even in cool, damp conditions.

Key Features

- Ready to use liquid-applied waterproofing membrane
- Exceptionally fast cure time – one coat cures in as little as one hour
- Revolutionary cross linking moisture cure technology
- Ideal for hot/humid to cold/damp conditions
- Listed with IAPMO for use as a shower pan liner
- One gallon waterproofs a standard size shower
- Coverage for one gallon of RedGard SpeedCoat is the same as 3.5 gallons of traditional waterproofing membranes
- Combine with CUSTOM's SpeedSlope® Rapid Setting Sloping Mortar for a fast track shower tile installation system
- Excels on freshly installed mortar beds

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard Units (CBU)

Composition of Product

Reactive polymers with inorganic fillers and pigments.



Benefits of Product in the Installation

- Reduces curing time with exceptionally quick-dry formula
- One hour cure after final coat before flood test or tile installation
- Works effectively in "extreme conditions" of high moisture and cold weather
- Easy to use and is applied by roller or trowel
- Rated for extra heavy duty service
- Meets Uniform Plumbing Code specifications for use as a shower pan liner
- Can be applied to young concrete

Limitations to the Product

- Do not apply below 40°F or above 90°F
- Do not apply over surfaces subject to hydrostatic pressure or standing water
- Do not use to bridge or cover existing expansion, control, construction, cold or saw cut joints. Refer to EJ171 for treatment of movement joints.
- Do not use as an adhesive.
- Do not mix with other waterproofing products, including RedGard® Waterproofing and Crack Prevention membrane.
- Please contact CUSTOM Technical Services concerning use in steam showers.
- Do not use as a wear surface. The membrane must be protected from construction traffic prior to being covered with tile or other permanent flooring
- Do not use solvents in conjunction with the membrane
- **DO NOT SPRAY APPLY**

Packaging

1 gallon (3.78 L) pail

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
ANSI A108.01, A108.13, A118.10

American National Standards for the
Installation of Ceramic Tile ASTM International
(ASTM)

- ASTM C627 Standard Test Method for
Evaluating Ceramic Floor Tile Installation
Systems Using the Robinson-Type
Floor Tester

Tile Council of North America (TCNA) TCNA
Handbook for Ceramic Tile Installation, TCNA
Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	20 lb/2" (9.1 kg/ 5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	640 psi (45 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.01%
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass at 8.5 mils dry
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	198 psi (13.9 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	80 psi (5.7 kg/cm ²)
System Performance			
Point Load	A118.12 Section 5.2	>1000 lbs	> 1000 psi
Robinson Test	A118.12 Section 5.3	As specified	14 Cycles; Extra Heavy



Approvals

RedGuard® SpeedCoat has tested and complies with Uniform Plumbing Code and International Plumbing Code standards for use as a shower pan liner per IAPMO Research and Testing, Inc., File No. 4244. RedGuard SpeedCoat has tested and complies with International Building Code (IBC), International Residential Code (IRC) and International Plumbing Code (IPC) standards for water resistance per ICC Evaluation Service, PMG-1389.

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	RGSC1-2	1 gallon (3.78 L)	Red	Pail
Canada	CRGSC1-2	1 gallon (3.78 L)	Red	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

*APPLICATION TYPE	NUMBER OF COATS	APPROXIMATE COVERAGE RATE
IAPMO Shower Pan Waterproofing over CUSTOM SpeedSlope® Rapid Setting Sloping Mortar; or over cement backerboards and other smooth concrete	2	110 sq. ft./gal (10.2 sq meters / 3.78 liters)
IAPMO Shower Pan Waterproofing over Portland Cement Mortar Beds	2	65 sq. ft./gal (6 sq meters / 3.78 liters)
General Waterproofing over CUSTOM SpeedSlope® Rapid Setting Sloping Mortar; over cement backerboards and other smooth surfaces	1	220 sq. ft./gal (20.4 sq meters / 3.78 liters)
General Waterproofing over rough concrete or standard Portland cement mortar beds	1	130 sq ft / gallon (12 sq meters / 3.78 liters)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Note that monolithic coats are required to waterproof and two coats are only required for IAPMO shower pan applications on floors, coves and curbs.

RedGard® Fabric Membrane

Product Description

RedGard® Fabric Membrane is a waterproof fabric sheet and vapor-retarder designed for use in both horizontal and vertical tiling applications such as showers, residential steam showers and other high demand wet environments. Also used for crack isolation.

Suitable Tile Types

All types including impervious porcelain, ceramic tile, natural stone, and precast terrazzo tile. See limitations below.

Suitable Substrates

- Concrete
- Cement mortar and screed
- Cement Masonry Units
- Cement Backerboard
- Gypsum Wallboard
- Lightweight Tile Backer board
- Suitable Prefabricated showers pans and Accessories
- Approved engineered cement-based patching compounds
- Exterior Plywood and OSB (interior, dry areas only)
- Post Tension Concrete
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Sizes

323 Sq. Ft. (30 Sq. M.) Roll

Benefits of Product in the Installation

Waterproof and easy to cut, hang and adjust. No waiting to cure before tile is installed. Installs over cement backerboard, lightweight tile wallboard, and gypsum wallboard.

Limitations to the Product

- RedGard Fabric Membrane will not accommodate deflection greater than specified in TCNA guidelines and should not be used as a wear surface or left otherwise exposed to construction traffic.



- Some glass tiles and dimensionally weak and absorptive tiles or natural stone, may not be suitable for installation over a sheet membrane. Contact Technical Services for additional information.

Technical Data

Applicable Standards

RedGard Fabric Membrane meets the American National Standard for Load Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installations (ANSI A118.10) and evaluated by ICC-ES (Report No. PMG-1188) and ASTM E96 Method E as a low perm vapor retarder/ waterproofing membrane (<0.5 perms)

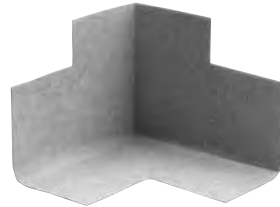
Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	RFM323	1 m x 30 m	1 roll per case
Canada	CRFM323	1 m x 30 m	1 roll per case

RedGard® Fabric Membrane Inside Corner Seal

Product Description

Our waterproof and vapor-proof RedGard® Fabric Membrane Inside Corner Seal is a fast and easy way to prepare the corners of a shower. It is easy to apply to the substrate, and helps to prepare wet areas such as showers for tiling. Apply the corner seal for full coverage with the other members of the RedGard fabric membrane family to provide a durable protective layer for your tile installation.



Key Features

- Acts as flashing on inside corners
- Pre-formed - no folding, cutting or guesswork
- For use with RedGard® Fabric Membrane sheet and accessories
- Part of a 100% waterproof/vapor proof membrane system for walls and floors

Suitable Tile Types

All types including impervious porcelain, ceramic tile, natural stone, and precast terrazzo tile. For glass tiles, check with the tile manufacturer to ensure compatibility.

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard
- Existing ceramic tile
- Lightweight tile wallboard
- Gypsum wallboard

Benefits of Product in the Installation

- Waterproof, easy to cut, hang and adjust.
- Installs over cement backerboard, lightweight tile wallboard, or gypsum wallboard
- Helps prepare showers and other wet areas for tiling.
- Suitable for all tile types.
- For information on steam showers, contact Custom's Technical Services department.

Limitations to the Product

RedGard Fabric Membrane will not accommodate deflection greater than specified in TCNA guidelines and should not be used as a wear surface or left otherwise exposed to construction traffic.

Size

5" x 5" x 5" x 2.5" (12.7 x 12.7 x 12.7 x 6.4 cm)

Technical Data

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	16 lbs/2" (7.3 kg/5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	484 psi (34 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.05%
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass
Moisture Vapor Transmission	ASTM E-96 Procedure E	< 0.5 perms	0.5 perms
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	267 psi (18.8 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	89 psi (6.3 kg/cm ²)

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	RFMIC	5" x 5" x 5" x 2.5"	2-pk/6 per case
Canada	CRFMIC	5" x 5" x 5" x 2.5"	2-pk/6 per case

RedGard® Fabric Membrane Outside Corner Seal

Product Description

Our waterproof and vapor-proof RedGard® Fabric Membrane Outside Corner Seal is a fast and easy way to prepare the corners of a shower. It is easy to apply to the substrate, and helps to prepare showers for tiling. Apply the corner seal for full coverage with the other members of the RedGard fabric membrane family to provide a durable protective layer for your tile installation.



Key Features

- Acts as flashing on outside corners
- Pre-formed - no folding, cutting or guesswork
- For use with RedGard® Fabric Membrane sheet and accessories
- Part of a 100% waterproof/vapor proof membrane system for walls and floors

Suitable Tile Types

All types including impervious porcelain, ceramic tile, natural stone, and precast terrazzo tile. For glass tiles, check with the tile manufacturer to ensure compatibility.

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard
- Existing ceramic tile
- Lightweight tile wallboard
- Gypsum wallboard

Benefits of Product in the Installation

- Waterproof, easy to cut, hang and adjust.
- Installs over cement backerboard, lightweight tile wallboard, or gypsum wallboard
- Helps prepare showers and other wet areas for tiling.
- Suitable for all tile types.
- For information on steam showers, contact Custom's Technical Services department.

Limitations to the Product

RedGard Fabric Membrane will not accommodate deflection greater than specified in TCNA guidelines and should not be used as a wear surface or left otherwise exposed to construction traffic.

Size

5" x 5" x 5" x 2.5" (12.7 x 12.7 x 12.7 x 6.4 cm)

Technical Data

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	16 lbs/2" (7.3 kg/5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	484 psi (34 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.05%
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass
Moisture Vapor Transmission	ASTM E-96 Procedure E	< 0.5 perms	0.5 perms
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	267 psi (18.8 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	89 psi (6.3 kg/cm ²)

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	RFMOC	5" x 5" x 5" x 2.5"	2-pk/6 per case
Canada	CRFMOCC	5" x 5" x 5" x 2.5"	2-pk/6 per case

RedGard® Fabric Membrane Mixer and Pipe Seal

Product Description

The waterproof RedGard® Fabric Membrane Mixer and Pipe Seal is a fast and easy way to prepare shower walls with piping and handles for tile installation. It is easy to apply to the substrate, and helps to prepare showers for tiling. Apply the mixer and pipe seal for full coverage with the other members of the RedGard fabric membrane family to provide a durable protective layer for your tile installation.



Key Features

- Seal plumbing protrusions when preparing a shower to be tiled
- For use with RedGard® Fabric Membrane sheet
- Part of a 100% waterproof/vapor proof membrane system for walls and floors
- Opening can be cut to size

Suitable Tile Types

All types including impervious porcelain, ceramic tile, natural stone, and precast terrazzo tile. For glass tiles, check with the tile manufacturer to ensure compatibility.

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard
- Existing ceramic tile
- Lightweight tile wallboard
- Gypsum wallboard

Benefits of Product in the Installation

- Waterproof, easy to cut, hang and adjust.
- Installs over cement backerboard, lightweight tile wallboard, or gypsum wallboard
- Helps prepare showers and other wet areas for tiling.
- Suitable for all tile types.
- For information on steam showers, contact Custom's Technical Services department.

Limitations to the Product

RedGard Fabric Membrane will not accommodate deflection greater than specified in TCNA guidelines and should not be used as a wear surface or left otherwise exposed to construction traffic.

Size

12" x 12" with 1/2" opening (30 cm x 30 cm with 13 mm opening)

Technical Data

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	16 lbs/2" (7.3 kg/5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	484 psi (34 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.05%
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass
Moisture Vapor Transmission	ASTM E-96 Procedure E	< 0.5 perms	0.5 perms
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	267 psi (18.8 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	89 psi (6.3 kg/cm ²)

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	RFMMP	12" x 12" w/ 1/2" opening	1-pk/6 per case
Canada	CRFMMP	12" x 12" w/ 1/2" opening	1-pk/6 per case

Custom® 9240 Waterproofing and Anti-Fracture Membrane

Product Description

A flexible, seamless waterproofing membrane with a liquid-applied polymer and reinforcing fabric that bonds to a variety of substrates and is ideal for heavy duty service installations. Designed for waterproofing tile and stone installations, Custom® 9240 also provides protection from fractures to 1/8" (3.2 mm) over shrinkage and other non-structural cracks.

Key Features

- Waterproofing membrane rated for extra heavy-duty service
- Anti-fracture protection up to 1/8" (3.2 mm)
- Listed with IAPMO for use as a shower pan liner

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks - Contact Technical Services
- Post-Tension Concrete - Contact Technical Services
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring
- Floor heating systems - contact Technical Services

Benefits of Product in the Installation

- Rated for extra heavy duty service
- Forms flexible, seamless waterproofing for varying substrates
- Provides anti-fracture protection to 1/8" (3.2 mm) for shrinkage and non-structural cracks
- Meets Uniform Plumbing Code specifications for use as a shower pan liner



Composition of Product

Custom 9240 is a liquid applied polymer with a reinforcing fabric.

Limitations to the Product

- Do not apply to surfaces that may drop below 40°F (4°C) within 72 Hours of application.
- Do not apply over wet surfaces or surfaces subject to hydrostatic pressure.
- Do not use to bridge or cover over existing expansion, control, construction, cold or saw cut joints; use Crack Buster® Pro membrane for control, cold or saw cut joints.
- Do not use as an adhesive.
- Do not use as a wear surface; the membrane must be covered with tile or other permanent flooring.
- Do not use solvents in conjunction with the membrane.

Packaging

6 gallon (22.7 L) pail of liquid
 6" x 75' (0.15 x 22.85 m) fabric roll
 36" x 100' (0.91 x 30.5 m) fabric roll
 Kit 6 gallon (22.7 L) pail of liquid and either
 6" x 75' (0.15 x 22.85 m) or 36" x 100'
 (0.91 x 30.5 m) fabric roll

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.01, A108.17, A118.10 and A118.12 American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics

Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171, F125 & F125A

Approvals

Custom 9240 has tested and complies with Uniform Plumbing Code and International Plumbing Code standards for use as a shower pan liner per IAPMO Research and Testing, Inc., File No. 4244. Custom 9240 has tested and complies with International Building Code (IBC), International Residential Code (IRC) and International Plumbing Code (IPC) standards for water resistance per ICC Evaluation Service, ESR-1413.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	97 lb/inch (6.8 kg/2.5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	2550 psi (179.3 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	No Change
Waterproofness	A118.10 Section 4.5	No Water Penetration	Pass

Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	305 psi (21.4 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	89 psi (6.3 kg/cm ²)
System Crack Resistance			
Standard Performance	A118.12 Section 5.4	>1/16" and <1/8"	Pass
High Performance	A118.12 Section 5.4	>1/8"	Pass
Point Load	A118.12 Section 5.2	>1000 lbs	Pass
Robinson Test	A118.12 Section 5.3	As specified	14 Cycles, Extra Heavy

Availability & Cost

ITEM CODE	SIZE
C9240K	Kit consists of: 6 gallon (22.7 L) pail of Part 1 Liquid Part 2 Fabric Carton containing: 1 – 6" x 75' (15 cm x 22.85 m) roll of fabric 1 – 36" x 100' (91.5 cm x 30.5 m) roll of fabric
C9240L	6 gallon (22.7 L) pail
C9240F	1 – 6" x 75' (15 cm x 22.85 m) roll of fabric 1 – 36" x 100' (91.5 cm x 30.5 m) roll of fabric

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Coverage

Coverage is for a full Custom 9240 kit, containing one 6 gallon (22.7 L) pail of Part 1 Liquid, one 6" x 75' (15 cm x 22.85 m) roll of fabric and one 36" x 100' (91.5 cm x 30.5 m) roll of fabric.

SIZE	MIN COVERAGE
1 Kit	300 sq. ft. (27.87 m ²)

FractureFree®

Crack Prevention Membrane

Product Description

Ready-to-use, elastomeric, crack prevention membrane developed for protecting tile floors from cracks due to minor surface movement. Provides anti-fracture protection of up to 1/8" (3.2 mm) over shrinkage and other non-structural cracks. Suitable for all interior or exterior commercial and residential tile and stone installations. Easily applied with roller or trowel. Meets ANSI A118.12 for crack isolation membranes.

Key Features

- Convenient - ready to use
- Apply by roller or trowel
- Elastomeric - Isolates cracks in tile and stone floors

Suitable Substrates

- Concrete, cement mortar beds, masonry
- Cement backerboards
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks - Contact Technical Services
- Post-Tension Concrete - Contact Technical Services
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Limitations to the Product

- Do not apply to surfaces that may drop below 40°F (4°C) within 72 Hours of application.
- Do not apply over wet surfaces or surfaces subject to hydrostatic pressure.
- Do not use to bridge or cover over existing expansion, control, construction, cold or saw cut joints; use Crack Buster® Pro membrane for control, cold or saw cut joints.
- Not for use as an adhesive.
- Not for controlling vertical movement cracks.
- Do not use as a wear surface; the membrane must be covered with tile.
- Do not use solvents in conjunction with membrane.



Packaging

3.5 gallon (13.25 L) pail

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.01, A108.17, A118.10 and A118.12 American National Standards for the Installation of Ceramic Tile
ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics

Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171, F125 & F125A

Approvals

None applicable.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Fungus Resistance	A118.10 Section 4.1	No Growth	Pass
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	16 lb/2" (>7.3 kg/ 5 cm) width
Breaking Strength	A118.10 Section 4.3	>170 psi	484 psi (34.0 kg/cm ²)
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	0.05%
Waterproofness	A118.10 Section 4.5	No Water Penetration	N/A
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	267 psi (18.8 kg/cm ²)
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	N/A
System Crack Resistance			
Standard Performance	A118.12 Section 5.4	>1/16" and <1/8"	Pass
High Performance	A118.12 Section 5.4	> 1/8" (3.2 mm)	Pass
Point Load	A118.12 Section 5.2	>1000 lbs	> 1000 psi
Robinson Test	A118.12 Section 5.3	As specified	Heavy Duty
Sound Transmission Reduction (IIC)	A118.13 Section 5.3	>10	N/A

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
FFM3	3 1/2 gallon (13.25 L)	Beige	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE
3.5 gallon (13.25 L)	350 sq. ft. (32.5 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

RedGard® Uncoupling Mat

Product Description

A waterproof, vapor-proof uncoupling membrane that can be used for crack-isolation in most tile, porcelain or natural stone installations, and can be applied over challenging substrates such as installation over green (young) concrete and single ply 19.2" (49 cm) o.c. wood framed floors. RedGard® Uncoupling Mat is designed differently than bonded membranes. When exposed to excessive substrate movement it absorbs stress and preserves the surface and integrity of the tile. RedGard® Uncoupling Mat's bonding layers have reinforced fleece which locks mortar into the mat, ensuring strong, reliable installations.



Key Features

- Helps prevent cracks in tile and grout
- Use to replace 1/4" (6 mm) backerboard or a second layer of plywood in flooring installations - 1 roll replaces 3-4 sheets of 1/4" (6 mm) backerboard
- Use with polymer modified thin-set mortar — As recommended for bonding porcelain and other difficult to bond tiles
- Reinforced fleece bonding layer locks in mortar for a strong bond
- No fasteners required
- Mat made from 70% recycled pre-consumer waste, by weight

Suitable Tile Types

- Ceramic tile, all types including impervious porcelain
- Most natural stone
- Precast terrazzo tile
- Contact Custom Technical Services when installing moisture sensitive tile or stone.

Suitable Substrates

- Concrete, cement mortar, masonry
- Young concrete
- Cement backerboard
- Exterior plywood and OSB (interior, dry areas only)
- Exterior decks - Contact Technical Services
- Post-tension concrete - Contact Technical Services
- Lightweight concrete (min. 2000 psi compressive strength)
- Gypsum-based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring
- Floor heating systems - contact Technical Services

Benefits of Product in the Installation

- Elastic, rot proof and resistant to aggressive substances and liquids such as alkalis, solvents and oils.
- Bridges cracks, uncouples floor assemblies from their substrates, and is suitable as an underlayment for all floor tiles and stone.
- Protected by a Lifetime System Warranty when used with a qualifying mortar.
- Contains 70% recycled material by weight.
- Can be used as an ANSI A118.10 waterproof membrane with addition of RedGard® Seam Tape.
- Allows installation of tile over concrete with high moisture content.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic.
- Do not use as a wear surface.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), subfloor deflection requirements must be > L720 and additional plywood layers will be necessary.
- Contact Custom's Technical Services regarding in-floor heating systems.

Packaging

39" x 16' 5" (1 m x 5 m) Roll
 39" x 98' 5" (1 m x 30 m) —
 Available in select locations

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
 — ANSI A108.01, A108.17, A118.10 and
 A118.12 American National Standards for the
 Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics
- ANSI A138.1 Green Tile Standard

Tile Council of North America (TCNA)
 TCNA Handbook for Ceramic Tile Installation,
 TCNA Method EJ171, F125, F147, F148, F128
 & F125A

- TTMAC D313F

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	RGM2323	39" x 98' 5" (1 m x 30 m)	Roll
USA	RGM254	39" x 16' 5" (1 m x 5 m)	Roll

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Coverage*

SIZE	MIN COVERAGE
39" x 16' 5" (1 m x 5 m)	54 sq. ft. (5 m ²)
39" x 98' 5" (1 m x 30 m)	323 sq. ft. (30 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

RedGard® Seam Tape

Product Description

RedGard® Seam Tape is a fast and easy way to cover seams and changes of plane when installing the RedGard® Uncoupling Mat to provide waterproofing and vapor barrier protection.

Key Features

- Required for a waterproof installation of RedGard® Uncoupling Mat
- For seams and changes of plane
- Part of a waterproof/vapor barrier control system for floors

Suitable Tile Types

Suitable for all tile types.

Suitable Substrates

Use on the seams of the RedGard® Uncoupling Mat only.

Benefits of Product in the Installation

- 100% waterproof protection for substrates
- Easy to cut, hang, and adjust
- Suitable for all tile types
- Designed for use with modified thin-set mortars

Limitations to the Product

RedGard® Seam Tape is not intended for use without a suitable substrate that can support the finished floor installation.

Packaging

4.7" x 16.25' (120 mm x 5 m) Roll

6" x 98.5' (150 mm x 30 m) Roll

Technical Data

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	RGST5	4.7" x 16' 5" (120 mm x 5 m)	Roll
USA	RGST30-EA	6" x 98' 5" (150 mm x 30 m)	Roll

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Related Products

RedGard® Uncoupling Mat

Crack Buster® Pro

Crack Prevention Mat Underlayment

Product Description

A self-bonding, fabric reinforced, asphaltic membrane that isolates ceramic and natural stone tile from cracks in the substrate. Suitable for both full and partial coverage applications. Crack Buster® Pro is a crack isolation membrane that meets the requirements of ANSI A118.12 and protects tile from in plane movement up to 3/8" (9.5 mm). Its strong self-adhesive backing and uniquely designed surface provide secure bonding for all types of ceramic, natural stone and terrazzo tile. Crack Buster Pro also helps reduce sound transmission through the tile assembly.



Key Features

- Rated for extra heavy duty applications
- Easy application - Peel & stick
- Elastomeric - Reduces crack transmission in tile and stone floors
- Provides IIC sound reduction up to 18 dB
- Reduces downtime allowing immediate installation of tile

Suitable Substrates

- Concrete, cement mortar beds, masonry
- Cement backerboards
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks - Contact Technical Services
- Post-Tension Concrete - Contact Technical Services
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Composition of Product

Crack Buster Pro is an elastomeric, fabric-reinforced mat underlayment, with modified asphalt and a polyurethane adhesive.

Benefits of Product in the Installation

- Extra heavy duty rating for installation within diverse substrates.
- Exceeds ANSI A118.12 standards for crack isolation material.
- Eliminates crack transmission in tile and stone floors.
- Easy and quick self-adhesive installation reduces down-time for tile and stone installation.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Do not use as a wear surface.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

36" x 75' (91.5 cm x 23 m) rolls

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
 — ANSI A108.01, A108.17 and A118.12

American National Standards for the
 Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics

Tile Council of North America (TCNA)
 TCNA Handbook for Ceramic Tile Installation,
 TCNA Method EJ171, F125 & F125A

Availability & Cost

ITEM CODE	SIZE	PACKAGE
CBMP36	36" x 75' (91.5 cm x 23 m)	Roll

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Coverage*

SIZE	MIN COVERAGE
36" x 75' (91.5 cm x 23 m)	225 sq. ft. (20.9 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Related Products

Peel & Stick Primer

EasyMat®

Tile & Stone Underlayment

Product Description

A versatile mat underlayment for setting tile and stone over any acceptable subfloor. EasyMat® is so fast and easy to install because it is up to 25 times lighter than 1/4" (6 mm) backerboard, cuts easily with a utility knife, doesn't require any nails or screws, and comes in a peel & stick version. The mat was specially designed so that the mortar locks in, creating a bonded crack-prevention system for subfloor movement up to 1/4" (6 mm). This bonded system will withstand repeated stress and still maintain its tenacious bond. It is a superior alternative to cork underlayments because it will not rot, shrink, or absorb water. EasyMat® has SoundGard® Technology and therefore offers high and credible impact sound reduction. Use EasyMat with other CUSTOM materials to qualify for a lifetime warranty.

Key Features

- Set tile and stone over any acceptable subfloor
- One (1) 5 mm roll = 20 sheets of 1/4" (6 mm) backerboard
- Highest level of impact and sound reduction
- Specially designed so the mortar locks in and forms a bonded crack prevention system
- No mechanical fasteners required
- Up to 9 times lighter than other sound reduction mats
- Will not shrink, rot or absorb water
- Use as thermal break under floor heating systems

Suitable Tile Types

- Ceramic tile, all types including impervious porcelain
- Natural stone tile
- Precast cement terrazzo tile

Suitable Substrates

- Concrete, cement mortar beds, masonry
- Cement backerboards
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks - Contact Technical Services
- Post-Tension Concrete - Contact Technical Services
- Lightweight Concrete (min. 2000 psi compressive strength)



- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Composition of Product

Polypropylene foam spheres bonded together with the use of Polyurethane Adhesive in sheet format.

Packaging

3 mm, 5 mm and 12 mm Rolls

Benefits of Product in the Installation

- Set tile and stone over any acceptable subfloor
- Up to 4 times faster to install than 1/4" (6 mm) backerboard — optional peel & stick version
- Up to 25 times lighter than 1/4" (6 mm) backerboard
- Cuts easily with a utility knife
- Mortar locks in to form a bonded-crack prevention system
- No mechanical fasteners or tape needed
- High and reliable-impact sound reduction

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Do not use as a wear surface.
- When setting glass tile contact Technical Services for recommendations.

- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.
- Not for controlling vertical or differential movement cracks.
- Suitable for residential and light commercial applications only.

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.01, A108.17, A118.12 and A118.13 American National Standards for the Installation of Ceramic Tile
 ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- ASTM D638 Standard Test Method for Tensile Properties of Plastics

Tile Council of North America (TCNA)
 TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171, F125 & F125A

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULT
Thermal Resistance (R Value)	ASTM C518		3 mm - 0.4 5 mm - 0.8 12 mm - 1.8
Fungus Resistance	A118.10 Section 4.1	No Growth	No Growth
Seam Strength	A118.10 Section 4.2	>8 lbs/inch Width	>8 lbs/inch
Breaking Strength	A118.10 Section 4.3	>170 psi	>170 psi
Dimensional Stability	A118.10 Section 4.4	+/- 0.7%	<0.7%
Waterproofness	A118.10 Section 4.5	No Water Penetration	N/A
Shear Bond Strength to Cement Mortar			
Four Week Shear Strength	A118.10 Section 5.5	>50 psi	>50 psi
Shear Strength After Water Immersion	A118.10 Section 5.4	>50 psi	>50 psi

System Crack Resistance			
Standard Performance	A118.12 Section 5.4	>1/16" and <1/8"	Pass
High Performance	A118.12 Section 5.4	> 1/8" (3.2 mm)	Pass
Point Load	A118.12 Section 5.2	>1000 lbs	>1000 psi
Robinson Test	A118.12 Section 5.3	As specified	Light Commercial
Sound Transmission Reduction (IIC)	A118.13 Section 5.3	>10	3 mm - 16 5 mm - 20 12 mm - 23

Availability & Cost

	ITEM CODE	SIZE	PEEL & STICK BACKING	PKG
USA	SGL3	4' x 100' (1.2 m x 30.5 m)	No	Roll
USA	SGL3P	4' x 100' (1.2 m x 30.5 m)	Yes	Roll
USA	SGL5	4' x 75' (1.2 m x 22.9 m)	No	Roll
USA	SGL5P	4' x 75' (1.2 m x 22.9 m)	Yes	Roll
USA	SGL12	4' x 30' (1.2 m x 9.14 m)	No	Roll
USA	EM40-4	4' x 10' (1.2 m x 3 m)	Yes	Roll
Canada	CEM40-4	4' x 10' (1.2 m x 3 m)	Yes	Roll

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Coverage*

SIZE	MIN COVERAGE
4' x 100' (1.2 m x 30.5 m)	400 sq. ft. (37.2 m ²)
4' x 75' (1.2 m x 22.9 m)	300 sq. ft. (27.9 m ²)
4' x 30' (1.2 m x 9.14 m)	120 sq. ft. (11.1 m ²)
4' x 10' (1.2 m x 3 m)	40 sq. ft. (3.7 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Peel & Stick Primer

Product Description

Peel & Stick Primer prepares surfaces for the application of peel and stick mat underlayments like Crack Buster® Pro and EasyMat®. It seals porous surfaces and improves the bond of underlayments.

Key Features

- Specifically formulated for improved adhesion of peel and stick membranes such as Crack Buster Pro and EasyMat
- Adheres directly to interior concrete, plywood and OSB
- Easy to apply - just roll on

Suitable Substrates

- Concrete, cement mortar beds, masonry
- Cement backerboard
- Exterior Decks - Contact Technical Services
- Post-Tension Concrete - Contact Technical Services
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Limitations to the Product

- Do not apply to frozen surfaces or when temperatures drop below 50°F (10°C).

Technical Data

Applicable Standards

No current standards exist.



Packaging

1 gallon (3.78 L) Bottle

Availability & Cost

ITEM CODE	SIZE	PACKAGE
PSAP1	1 gallon (3.78 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 1 GALLON (SQUARE METER PER 3.78 L)
MIN COVERAGE
400 sq. ft. (37.16 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Related Products

EasyMat® Tile & Stone Underlayment
Crack Buster® Pro Crack Prevention Mat Underlayment

Waterproofing Reinforcing Tape

Product Description

An alkali resistant fiberglass tape used to reinforce RedGard® Liquid Waterproofing and Crack Prevention Membrane and RedGard® SpeedCoat® Waterproofing Membrane around drains in shower pans, corners and wherever there is a change of plane in the installation for additional reinforcement.

Key Features

- Helps prevent breaks in waterproofing

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks – Contact Technical Services
- Existing ceramic tile

Composition of Product

Fiberglass mesh and integrated polymer veil with an alkali-resistant coating.

Benefits of Product in the Installation

Helps prevent breaks in the waterproofing with higher degree of movement such as changes of plane.



Technical Data

Applicable Standards

No industry standards are available for tape alone.

Approvals

None applicable.

Technical Properties Chart

- Fiberglass mesh and integrated veil design
- Alkali-resistant coating

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

Availability & Cost

ITEM CODE	SIZE	PACKAGE
TNSM2	2" x 50 yd	Roll

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

Waterproofing and Anti-Fracture Membrane Mesh

Product Description

An alkali-resistant fiberglass tape used to reinforce RedGard® when used over cracks in underlayment. It can also be used in corners and wherever there is a change of plane in the installation for additional reinforcement.

Key Features

- Helps prevent cracks in tile and breaks in waterproofing
- Reinforces liquid-applied membranes when used over cracks or changes of plane in underlayment

Suitable Substrates

- Concrete, cement mortar, masonry
- Cement Backerboard
- Exterior Plywood and OSB (interior, dry areas only)
- Exterior Decks – Contact Technical Services
- Post-Tension Concrete – Contact Technical Services
- Lightweight Concrete (min. 2000 psi compressive strength)
- Gypsum-Based cement topping (min. 2000 psi compressive strength)
- Existing ceramic tile and resilient flooring

Composition of Product

Fiberglass mesh with an alkali-resistant coating

Benefits of Product in the Installation

Helps prevent cracks occurring in the tile or breaks in the waterproofing and crack isolation treatments in areas with expected higher degree of movement such as changes of plane.



Technical Data

Applicable Standards

No industry standards are available for tape alone.

Approvals

None applicable.

Technical Properties Chart

- Fiberglass mesh design
- Alkali-resistant coating

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

Availability & Cost

ITEM CODE	SIZE	PACKAGE
TNSM6	6" x 50 yd	Roll

Product Maintenance

Properly installed product requires no special maintenance. Do not use as a wear surface.

MBP

Multi-Surface Bonding Primer

Product Description

Multi-Surface Bonding Primer (MBP) is a single-component, water-based primer engineered to deliver superior adhesion on a variety of substrates where proper bonding is difficult. Specially formulated with aggregates and polymers to promote mechanical adhesion on non-porous substrates.



Key Features

- Ready-to-use primer
- Unsurpassed adhesion on difficult-to-bond substrates
- For use on porous and non-porous surfaces
- One-coat application
- No shot blasting or abrasion required

Uses

Prepares surface with a textured finish that is suitable for installation with modified cement mortar and self-leveling underlayments.

Suitable Substrates

- Well bonded water resistant cutback or old adhesive.
- Non-porous concrete
- Porcelain & Ceramic tiles with Glazed or Smooth surfaces
- Exterior grade plywood and OSB (interior only)
- Epoxy Coating
- Cement and Epoxy Terrazzo
- Quarry Tile
- Natural stone
- VCT
- Vinyl flooring
- Moisture Vapor Barrier (TECH MVC™)
- Moisture Vapor Barrier (Sheet Goods)
- Laminates
- Rigid Fiberglass panels
- Properly prepared gypsum-based underlayments (interior only)
- Primer for some tile backed with epoxy resin for interior residential and light commercial applications – contact Custom Technical Services for more information
- Cleaned, Rust-free Steel

- Well adhered flat and semigloss latex or epoxy painted surfaces (interior dry areas)

Limitations to the Product

- Application temperature must be between 50°F - 95°F (10°C - 35°C)
- Do not subject to prolonged water immersion
- Do not use over bond inhibiting or bond breaking materials such as curing compound
- Do not apply over dusty substrates
- Do not dilute
- Do not use over Saltillo tile
- Do not use on exterior commercial applications

Packaging

1 gallon (3.78 L) pail
3.5 gallon (13.25 L) pail

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	CPMBP1	1 gallon (3.78 L)	Pail
USA	CPMBP3	3.5 gallon (13.25 L)	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)	
MIN COVERAGE	MAX COVERAGE
150 sq. ft. (13.94 m ²)	300 sq. ft. (27.87 m ²)

How to Choose a Bonding Mortar

There are many choices when selecting a Bonding Mortar for your tile installation. The mortar specifications are detailed in ANSI A118.XX and the use of these mortars is detailed in ANSI A108.XX. To help make the proper bonding mortar selection, here is a brief description of the products available from CUSTOM.

Modified Dry-Set Mortars

Modified Dry-Set Mortar meeting the requirements of ANSI A118.4 have become an industry standard for typical tile installation. They contain polymer that improves the bond to many surfaces, including the back of porcelain tile. These mortars require only a water addition and are available in different performance levels.

- VersaBond® Flex – excellent choice for installation of smaller tile on floors and walls to ensure durability for years.
- VersaBond® – economical choice for many installation with standard situations.

Improved Modified Dry-Set Cement Mortars

Improved Modified Dry-Set Mortar meeting the requirements of ANSI A118.15 is preferred when there is a need for higher bond strengths or more deformability is required. These mortars have a higher level of polymers and are ideal for bonding to difficult surfaces. These mortars are more flexible and some may be used over minor cracks in concrete slabs. This type of mortar is recommended for use with larger tiles or when tiles are installed on suspended floors.

- FlexBond® – high strength mortar for smaller tiles on concrete floors with minor cracks.
- Porcelain Tile Mortar – specifically formulated to bond porcelain tile with one side less than 15" (38 cm) to concrete substrates.

Bonding Mortar for Specific Applications

Within ANSI A118.4 and A118.15 there are provisions for specific types of tile installations.

Modified Dry-Set Mortar for use on Plywood Substrate

Many CUSTOM Modified Dry-Set Mortars meet the requirements of ANSI A118.11 and are suitable for installing ceramic and natural stone tile on plywood substrates. Review the product data sheet to confirm that the chosen mortar is suitable for plywood substrates.

Rapid Setting Dry-Set Cement Mortar

These mortars are designed to cure rapidly and allow the newly tiled area to return to service in a few hours, rather than days.

- ProLite® Rapid Setting – excellent choice for bonding most ceramic and stone tile when the tiled area needs to be returned to service in a few hours.
- Complete Contact™ LFT Rapid Setting – helps achieve the required mortar coverage when installing large format tile.

Modified Dry-Set Mortar for Large and Heavy Tile

These mortars were developed to accommodate the extra mortar thickness required to install today's larger tile. The industry identifies any tile with one side greater than 15" (38 cm) as a large format tile and in most cases their installation benefits from these types of mortars.

- MegaLite® – When maximum performance is required. Can be used over concrete substrates with cracks up to 1/8" (3.2 mm) wide.
- ProLite® – supports large and heavy tile on vertical surfaces without mechanical assistance. Ideal for all floor and wall installations in both interior and exterior applications.
- Natural Stone & Large Tile Mortar – ideal for the installation of most natural stone tile.
- VersaBond® LFT – economical choice for installation of tile in standard conditions.

Modified Dry-Set Cement Mortar for Glass Tile

The ANSI A137.2 standard for Glass Tile recommends the use of a Modified Dry-Set Mortar meeting the requirements of ANSI A118.15. CUSTOM also controls the color of this cement mortar to improve the beauty of clear and translucent glass tile.

- Glass Tile Premium Thin-Set Mortar

Water Cleanable Tile-Setting Epoxy Adhesive

ANSI A118.3 defines an Epoxy Bonding Mortar for installation where maximum strength is desired, chemical resistance is needed or to be used with tiles that are sensitive to the moisture found in traditional dry-set cement mortar.

- EBM-Lite™ Premium Epoxy Bonding Mortar

Coverage and Trowel Guide

***Coverage charts for estimating purposes. Coverage may vary based on installation practices and jobsite conditions. For more trowel sizes, please use the material calculator at CustomBuildingProducts.com or contact CUSTOM Technical Services at (800)282-8786.**

Note that mortar coverage does not include back-troweling tiles. When back-troweling, consider the tile underside pattern and depth to estimate thickness and usage to add to your estimate.

****IMPORTANT NOTE:**

Custom Building Products does not recommend the use of a 1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notched trowel as the 1/2" (13 mm) spacing between each square notch has been shown to make it more difficult to bed tiles and achieve proper mortar coverage. CUSTOM recommends the use of a trowel design that promotes mortar ridge collapse such as either a deeper, slanted, U-notch, V-notch, or ridged large format trowel when applying thicker amounts of mortar to accommodate tile warpage and back pattern recesses. Applying mortar using a 3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-notch at a 30° angle provides better coverage between the tile and the substrate and the same coverage area as a 1/2" (13 mm) notched trowel.

Regardless of the trowel used, mortar coverage between the substrate and tile underside is required to be ≥80% for dry areas and ≥95% for wet areas and exteriors with all tile edges properly supported with mortar and in a minimum of 3/32" (2.38 mm) and a maximum of 3/4" (19 mm) continuous thickness. Note: Larger tiles, tiles with deep underside patterns and ungauged natural stone tiles may require larger notch sizes and may need to be flat back-troweled (formerly back buttered) or notched-back troweled to achieve proper coverage and mortar support. To meet warranty requirements, CUSTOM recommends testing to confirm adequate bonding mortar coverage.










For achieving proper mortar coverage see the following video: Trowel & Error (also available in Spanish and Russian).







For information regarding back troweling, refer to The National Tile Contractors Association Flat Back & Notched Back — Troweling video.

Use proper sized notch trowel to ensure 100% coverage of solid mortar under tiles. With very irregular tiles, back-troweling may be advisable. Trowel notch recommendations are as follows:

WALL TILES AND FLOOR TILES

<p>TILE UP TO 8" X 8" (20 X 20 CM)</p>  <p>1/4" X 1/4" X 1/4" (6 X 6 X 6 MM) SQUARE-NOTCH</p>  <p>1/4" X 5/16" X 1/4" (6 X 8 X 6 MM) U-NOTCH</p> <p>10" TO 12" TILE (25 X 30 CM)</p>  <p>1/4" X 3/8" X 1/4" (6 X 9.5 X 6 MM) SQUARE-NOTCH</p>  <p>1/4" X 3/8" X 1/4" (6 X 9.5 X 6 MM) U-NOTCH</p>	<p>TILE OVER 12" X 12" (30 X 30 CM)</p>  <p>1/4" X 1/2" X 1/4" (6 X 13 X 6 MM) U-NOTCH</p>  <p>1/2" X 1/2" X 1/2" (13 X 13 X 13 MM) SQUARE-NOTCH</p>  <p>3/4" X 5/8" X 3/4" (19 X 16 X 19 MM) U-NOTCH</p>
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MOSAICS AND SMALL CERAMIC TILES

<p>TILE UP TO 2" X 2" (5 X 5 CM)</p>  <p>3/16" X 5/32" (5 X 4 MM) V-NOTCH</p> <p>TILE UP TO 4" X 4" (10 X 10 CM)</p>  <p>1/4" X 3/16" (6 X 5 MM) V-NOTCH</p> <p>IRREGULAR OR LUG-BACKED TILES (SALTILLO PAVERS)</p> <p>TILE UP TO 12" X 12" (30 X 30 CM)</p>  <p>1/4" X 3/8" X 1/4" (6 X 9.5 X 6 MM) SQUARE-NOTCH</p>  <p>1/4" X 3/8" X 1/4" (6 X 9.5 X 6 MM) U-NOTCH</p>

FlexBond® Premium Crack Prevention Thin-Set Mortar

Product Description

A premium quality, polymer-modified mortar with exceptional flexibility and bond strength for tiling difficult surfaces, such as plywood, vinyl and laminates, and for hard-to-bond, nonporous tile, such as porcelain and glass.

Key Features

- High flexibility to prevent cracks in tile
- Excellent bond strengths
- Outstanding bond to glass and other decorative tile

Suitable Tile Types

- Vitreous, semi-vitreous and absorptive tile: ceramic, mosaic, quarry, cement body tile
- Impervious glass and porcelain tile
- Natural stone
- Cement-based precast terrazzo
- Brick
- Thin brick

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGuard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- RedGuard® Uncoupling Mat
- Surfaces treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)



Composition of Product

FlexBond® Premium Crack Prevention Thin-Set Mortar is a dry, proprietary blend of Portland cement, copolymers, inorganic aggregates and chemicals.

Benefits of Product in the Installation

- Outstanding flexibility and bond strength for difficult substrate and tile applications
- Protects against cracking caused by minor in-plane surface movement
- Isolates small cracks and can be applied over small cracks without additional preparation
- Exceeds ANSI A118.4, A118.15 and A118.11 standards without the need for additives
- Approved for industry-recommended interior and exterior applications
- Recommended for interior and exterior pools and water features which require ANSI A118.15 bonding mortars.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.

- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.
- Contact CUSTOM Technical Services when installing metal tiles

Packaging

50 lb. (22.68 kg) bag
 25 lb. (11.34 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.5, A118.4, A118.15 and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute - (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) - TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171 ISO 13007-2

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 Hours
Open Time (E)	A118.15 Section 5.3	E = 30 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	600 - 700 psi (42.2 - 49.2 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 500 psi (28.1 - 35.2 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	300 - 350 psi (21.1 - 24.6 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials - Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	FBG25	25 lb. (11.34 kg)	Gray	Bag
USA	FBW25	25 lb. (11.34 kg)	White	Bag
USA	FB50	50 lb. (22.68 kg)	Gray	Bag
USA	FBW50	50 lb. (22.68 kg)	White	Bag
Canada	CFB50	50 lb. (22.68 kg)	Gray	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	85 sq. ft. (7.9 M ²)	95 sq. ft. (8.8 M ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 M ²)	67 sq. ft. (6.2 M ²)

*See Coverage and Trowel Guide on page 57.

Glass Tile

Premium Thin-Set Mortar

Product Description

With its unique blend of fine aggregate and premium white cement, Glass Tile Premium Thin-Set Mortar offers the ultimate in bond strength for the most demanding installation requirements for larger format glass tile, glass tile mosaics and other difficult to bond tile and stone. Glass Tile Premium Thin-Set Mortar is formulated to provide a consistent bright white back drop for clear, iridescent and translucent glass tile to accentuate its brilliance and beauty. The non-sag properties support vertical installations so tile won't slip and it offers excellent handling characteristics. Exceeds ANSI A118.4TE, A118.15TE and A118.11 without the need for additives.

Note: Please refer to the glass tile manufacturer's installation instructions. Glass Tile Premium Thin-Set Mortar bond strengths are determined from direct contact with the glass tile. Glass tile is manufactured using different processes and incorporating different features including foils, paints, metal coatings and string mesh backing or paper mesh backings. These differences may vary the actual bond strengths of Glass Tile Premium Thin-Set Mortar to your specific glass tile. Always REFER TO the glass tile manufacturer's installation instructions.

Key Features

- Consistent bright white color accentuates glass tile
- High bond strength with minimal shrinkage
- Sag and slip resistant - immediately holds wall tiles in place

Suitable Tile Types

- Glass
- Natural stone
- Vitreous, semi-vitreous or absorptive tile: ceramic, mosaic, quarry, cement
- Impervious porcelain
- Other hard-to-bond tiles



Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack prevention sheet membranes such as Crack Buster® Pro Uncoupling membranes such as RedGard® Uncoupling Mat
- Surfaces treated with MBP Multi-Surface Bonding Primer
- RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)

Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Maximum bond strength and flexibility
- Color-consistent, bright white throughout the entire application
- Superior bonding to plywood and to glass and porcelain tile
- Excellent handling characteristics through extended open and adjustment times
- Approved for industry-recommended interior and exterior applications
- Exceeds ANSI A118.4TE, A118.15TE and A118.11 standards without the need for additives
- Recommended for interior and exterior pools and water features which require ANSI A118.15 bonding mortars.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Custom's Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Custom's Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Custom's Technical Services for recommendations regarding subfloor deflection requirements.
- Contact Custom's Technical Services when installing metal tiles

Packaging

7 lb. (3.18 kg) box
White

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.5, A137.2, A118.4TE, A118.15TE and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile

Installation Systems Using the Robinson-Type Floor Tester Resilient Floor Covering Institute - (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) - TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171 ISO 13007-2

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 Hours
Open Time (E)	A118.15 Section 5.3	E = 30 Minutes	Pass
Shear Strength to Ceramic Tile			
7 Day Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	500 - 600 psi (35.2 - 42.2 kg/cm ²)
28 Day Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 500 psi (28.1 - 35.2 kg/cm ²)
28 Day Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	200 - 300 psi (14. - 21.1 kg/cm ²)
Glass Tile		> 150 psi	250 - 325 psi (17.6 - 22.8 kg/cm ²)
Sag Resistance (T)	A118.15 Section 6.0	< 0.02 mm	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	GTMW7-4	7 lb (3.18 kg)	White	Box

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 7 LB BOX (SQUARE METER PER 3.18 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	14 sq. ft. (1.3 M ²)	15.4 sq. ft. (1.4 M ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	9.8 sq. ft. (0.9 M ²)	10.9 sq. ft. (1 M ²)

*See Coverage and Trowel Guide on page 57.

VersaBond®

Professional Thin-Set Mortar

Product Description

A professional formula, all-purpose mortar, polymer-modified to provide good bond strength for floor and tile projects. VersaBond® cures quickly even in cold climates and adheres to most surfaces, exceeding ANSI A118.4 and A118.11 without the need for additives.

Key Features

- Bonds well to plywood and concrete floors
- Fast setting even in cold weather

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and thin brick
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- RedGard® Uncoupling Mat
- Surfaces treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)

Composition of Product

VersaBond Professional Thin-Set Mortar is a dry, proprietary blend of Portland cement, copolymers, inorganic aggregates and chemicals.



Benefits of Product in the Installation

- Cost-efficient, all-purpose mortar
- Good bond strength
- Cures quickly even in cold climates
- Approved for industry-recommended interior and exterior applications
- Exceeds ANSI A118.4 and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features. CUSTOM recommends MegaLite® Ultimate Crack Prevention Large Format Tile Mortar and ProLite® Premium Large Format Tile Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.

- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

50 lb. (22.68 kg) bag
 25 lb. (11.34 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4, and A118.11 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171
- International Organization for Standardization (ISO) 13007-2 for Thin-Set Mortar.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 Hours
Open Time (E)	A118.4 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	450 - 550 psi (31.6 - 38.7 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	300 - 400 psi (21.1 - 38.1 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	150 - 250 psi (10.5 - 17.6 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	MTSG25	25 lb. (11.34 kg)	Gray	Bag
USA	MTSG50	50 lb. (22.68 kg)	Gray	Bag
USA	MTSW50	50 lb. (22.68 kg)	White	Bag
Canada	CVBG50	50 lb. (22.68 kg)	Gray	Bag
Canada	CVBW50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	85 sq. ft. (7.9 m ²)	95 sq. ft. (8.8 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)

*See Coverage and Trowel Guide on page 57.

MultiSet

Economical Thin-Set Mortar

Product Description

MultiSet is a dry-set mortar with good bond strength for tile installations over most surfaces. Apply over concrete, cement backerboards and existing ceramic tile. Meets ANSI A118.4 without the need for additives.

Key Features

- Economical modified mortar for floor and wall tile installations

Suitable Tile Types

- Vitreous, semi-vitreous or absorptive tile: ceramic, mosaic, quarry, cement and porcelain
- Impervious porcelain
- Brick and mini brick
- Cement-based precast terrazzo
- Natural stone

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- RedGard® Uncoupling Mat
- Surfaces treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)



Composition of Product

MultiSet is a dry, proprietary Portland cement based mixture that includes vinyl copolymers, inorganic aggregates and chemicals.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features. CUSTOM recommends MegaLite® Ultimate Crack Prevention Large Format Tile Mortar and ProLite® Premium Large Format Tile Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

50 lb. (22.68 kg) bags
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5 AND A118.4 of the American National Standards for the Installation of Ceramic Tile
 ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171
- International Organization for Standardization (ISO) 13007-2 for Thin-Set Mortar.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			2 Hours
Open Time (E)	A118.4 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Mixed with Water			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	300 - 325 psi (21.2 - 22.8 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	200 - 275 psi (14.1 - 19.3 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
MSG50	50 lb. (22.68 kg)	Gray	Bag
MSMW50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	85 sq. ft. (7.9 m ²)	95 sq. ft. (8.8 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)

*See Coverage and Trowel Guide on page 57.

MegaLite[®] Ultimate Crack Prevention Large Format Tile Mortar

Product Description

Ultimate performing lightweight mortar protects against cracks. Offers the ultimate in bond strength for the most demanding installation requirements with the flexibility to withstand horizontal substrate movement. Formulated with CustomLite[®] technology, it's 40% lighter than other mortars, providing excellent handling characteristics, and offers non-sag, non-slip installation on walls. Diverse in application, it is capable of thin-set or medium-bed use up to 3/4" (19 mm) thick on horizontal surfaces after beat in. Non-slump, medium-bed features provide the ultimate support for large format tile and stone. Formulated with premium white cements and select recycled content for a white backdrop for the delicate installation of hard-to-bond glass tile. A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar. Use for interior or exterior floors, countertops and walls. Formulated with recycled material, contributes to LEED[®] certification. Exceeds ANSI A118.4HET, A118.15HET and A118.11 without the need for additives.

Key Features

- Maximum flexibility to prevent cracks in tile
- Unsurpassed bond strength
- Non-slump for floors, sag and slip resistant for walls
- Lightweight - 30 lbs. covers the same area as 50 lbs. of traditional mortar

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain and glass
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile



Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid-applied waterproofing membranes such as RedGuard[®] Waterproofing and Crack Prevention Membrane, Custom[®] 9240 and RedGuard[®] SpeedCoat
- Crack isolation sheet membranes such as Crack Buster[®] Pro
- Uncoupling mats such as RedGuard[®] Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (see preparation instructions)

Composition of Product

MegaLite[®] is a dry, proprietary blend of copolymers, Portland cement, inorganic aggregates and chemicals.

Benefits of Product in the Installation

- Maximum bond strength and flexibility
- Isolates cracks
- Non-slip, non-slump medium bed for heavy floor and wall tile and stone

- Exceeds ANSI A118.4HET, A118.15HET and A118.11 standards without the need for additives
- A 30 lb. (13.6 kg) bag covers the same amount as a 50 lb. (22.68 kg) bag of traditional mortar
- Not formulated with silica sand
- Recommended for interior and exterior pools and water features which require ANSI A118.15 bonding mortars.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- Do not use to install resin backed stone use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact CUSTOM Technical Services for recommendations.
- For clear and translucent glass CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact CUSTOM Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

30 lb. (13.6 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4HET, A118.15HET and A118.11 of the American National Standards for the Installation of Ceramic Tile. Meets ANSI A138.1 for Sustainable Tile Installation Products. International Organization for Standardization (ISO) 13007-2 for Thin Set Mortar. ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 Hours
Open Time (E)	A118.15 Section 5.3	E = 30 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	725 - 850 psi (51.0 - 59.8 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	650 - 725 psi (45.7 - 51.0 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	350 - 425 psi (24.6 - 29.9 kg/cm ²)
Sag on Walls	A118.15 Section 6.0	< 0.02 mm	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	MLMG30	30 lb. (13.6 kg)	Gray	Bag
USA	MLMW30	30 lb. (13.6 kg)	White	Bag
Canada	CMLMW15	15 lb (6.8 kg)	White	Bag
Canada	CMLMW30	30 lb (13.6 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 30 LB BAG (SQUARE METER PER 13.6 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 M ²)	100 sq. ft. (9.3 M ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	63 sq. ft. (5.9 M ²)	70 sq. ft. (6.5 M ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	45 sq. ft. (4.2 M ²)	50 sq. ft. (4.6 M ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	36 sq. ft. (3.3 M ²)	40 sq. ft. (3.7 M ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	45 sq. ft. (4.2 M ²)	50 sq. ft. (4.6 M ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

FlexBond® LFT Premium Crack Prevention Large Format Tile Mortar

Product Description

A premium quality, medium bed polymer-modified mortar for use with large format tiles that has exceptional flexibility and bond strength for tiling difficult surfaces, such as plywood, vinyl and laminates, and for hard-to-bond, nonporous tile, such as porcelain and glass. FlexBond®-LFT offers protection and isolation against cracks in the substrate up to 1/16" (1.6 mm). The mortar's high polymer content makes it ideal for above ground floor installations.

Key Features

- High flexibility to prevent cracks in tile
- Non-Slump – For use as a thin or medium bed up to 3/4" (19 mm) on floors
- High-Performance – Non-Sag and non-slip for large and heavy tile or stone on vertical wall installations

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to website Technical Data Sheets for complete information)



Composition of Product

Modified dry-set mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Specially formulated for use with large format tiles
- Non-slumping formula eliminates lippage
- Outstanding flexibility and bond strength for difficult substrate and tile applications
- Protects against cracking caused by minor in-plane surface movement
- Isolates small cracks and can be applied over small cracks without additional preparation
- Exceeds ANSI A118.4, A118.15 and A118.11 standards without the need for additives
- Approved for industry-recommended interior and exterior applications

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- Ensure that the substrate meets deflection requirements.

Packaging

50 lb. (22.68 kg) bag
White

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
— ANSI A108.5, A118.4, A118.15 and A118.11
of the American National Standards for the
Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute - (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171
- International Organization for Standardization (ISO) 13007-2 for Thin-Set Mortar.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			> 90 minutes
Open Time	A118.15 Section 5.3	E = 30 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	> 550 psi (38.68 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	> 450 psi (31.65 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	> 250 psi (17.58 kg/cm ²)
Sag on Walls	A118.15 Section 6.0	< 0.02 mm	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
Canada	CFBLFTMW50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

Natural Stone & Large Tile

Premium Large Format Tile Mortar

Product Description

A premium quality, polymer-modified mortar for small to large format natural stone, ceramic or porcelain tile 15" x 15" (38 x 38 cm) or larger, clay pavers or other thin or medium bed applications. With a non-slumping formula that eliminates lippage and minimizes leveling requirement, this mortar can be applied for horizontal applications as thick as 3/4" (19 mm) or for thin bed applications to 1/4" (6 mm).

Formerly Marble Granite & Travertine Premium Medium Bed Mortar.

Key Features

- Supports stone for flat, even floor installations
- Won't sag or slip for wall installations

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid-applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)



Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Formulated for large format natural stone and large tile applications
- Reduces installation time and labor by eliminating lippage and minimizing the need for additional leveling
- Sag and slip resistance immediately holds wall tiles in place
- Can be used in thin-set or medium bed applications up to 3/4" (19 mm)
- Exceeds ANSI A118.4 and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

50 lb. (22.68 kg) bag
 White or Gray Canada Only

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4, and A118.11 of the American National Standards for the Installation of Ceramic Tile
 ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171
- International Organization for Standardization (ISO) 13007-2 for Thin-Set Mortar.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 Hours
Open Time	A118.4 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	400 - 500 psi (28.1 - 35.2 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	300 - 400 psi (21.1 - 28.1 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	150 - 200 psi (10.5 - 14.1 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	MGMM50	50 lb. (22.68 kg)	White	Bag
Canada	CMGMMG50	50 lb. (22.68 kg)	Gray	Bag
Canada	CMGMM50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

ProLite®

Premium Large Format Tile Mortar

Product Description

Offers high flexibility and bond strength in a lightweight formula with excellent handling characteristics for a wide variety of floor and wall tile installations. Excellent for setting large format tile or stone, ProLite® will not sag or slip on walls and offers non-slump performance for floor installations. Capable of thin-set or medium bed application up to 3/4" (19 mm) thick on horizontal surfaces after beat-in. Formulated with CustomLite® Technology, ProLite® is 40% lighter than traditional mortars. For interior and exterior installations. A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar. Formulated with recycled material contributes to LEED® certification. ProLite contains up to 22% recycled content by weight and 48% recycled content by volume. Exceeds ANSI A118.4HET, A118.15HET and A118.11 without the need for additives.

Key Features

- High flexibility and bond strength
- Non-slump for heavy tile and stone installations
- Superior non-slip/non-sag for wall applications
- A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar
- Contains recycled material that can contribute to LEED® certification

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain and glass
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile



Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid-applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)

Composition of Product

Modified dry-set mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- High bond strength and flexibility
- Suited for thin-set and medium bed mortar applications
- Non-slip, non-slump for heavy floor and wall tile and stone installation up to 3/4" (19 mm) thick; 40% lighter than traditional mortars
- Exceeds ANSI A118.4HET, A118.15HET and A118.11 standards without the need for additives
- A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact CUSTOM Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

30 lb. (13.6 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4HET, A118.15HET and A118.11 American National Standards for the Installation of Ceramic Tile. Meets ANSI A138.1 for Sustainable Tile Installation Products.

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171
- International Organization for Standardization (ISO) 13007-2 for Thin-Set Mortar.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 Hours
Open Time (E)	A118.15 Section 5.3	E = 30 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	550 - 650 psi (38.7 - 45.7 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 500 psi (28.1 - 35.2 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	225 - 300 psi (15.8 - 21.1 kg/cm ²)
Sag on Walls	A118.15 Section 6.0	< 0.02 mm	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	PLMG30	30 lb. (13.6 kg)	Gray	Bag
USA	PLMW30	30 lb. (13.6 kg)	White	Bag
Canada	CPLMG30	30 lb. (13.6 kg)	Gray	Bag
Canada	CPLMW30	30 lb. (13.6 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 30 LB BAG (SQUARE METER PER 13.6 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	63 sq. ft. (5.9 m ²)	70 sq. ft. (6.5 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	45 sq. ft. (4.2 m ²)	50 sq. ft. (4.6 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	36 sq. ft. (3.3 m ²)	40 sq. ft. (3.7 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	45 sq. ft. (4.2 m ²)	50 sq. ft. (4.6 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

VersaBond® LFT Professional Large Format Tile Mortar

Product Description

VersaBond-LFT professional medium bed mortar is a non-sag, nonslump, polymer modified mortar for use with large format porcelain, ceramic and natural stone tile. With a non-slumping formula to eliminate lippage, VersaBond-LFT can be applied to 3/4" (19 mm) thick on horizontal surfaces. Suitable for floors and walls, VersaBond-LFT exceeds ANSI A118.4HT and A118.11.

Key Features

- For most standard floor and wall installations
- Supports large and heavy tile for flat, even installations
- For use with in-floor heating systems

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid-applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Custom® 9240 and RedGard® SpeedCoat
- Crack isolation sheet membranes such as Crack Buster® Pro Uncoupling mats such as RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (see preparation instructions)

Composition of Product

Modified dry-set mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.



Benefits of Product in the Installation

- Specially formulated for large format tiles
- Non-slumping formula eliminates lippage
- Cost-efficient, all-purpose mortar
- Good bond strength
- Cures quickly even in cold climates
- Approved for industry-recommended interior and exterior applications
- Exceeds ANSI A118.4HT and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features.
- CUSTOM recommends MegaLite® Crack Prevention Mortar and ProLite® Large Tile and Stone Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Custom Technical Services.
- When setting moisture sensitive natural stone, cement or resin agglomerate tile use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone; use EBM-Lite™ Epoxy
- Bonding Mortar 100% Solids, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Custom's® Technical Services for recommendations.

- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Custom's® Technical Services for recommendations.
- Ensure that the substrate meets deflection requirements.

Packaging

50 lb. (22.68 kg) bag

Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.5, A118.4 and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute - (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) - TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171 Complies with ISO 13007-2

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			2 hours
Open Time	A118.4 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	450 - 550 psi (31.6 - 38.7 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	350 - 450 psi (24.6 - 31.6 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	150 - 250 psi (10.6 - 17.6 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	VBLFTMG50	50 lb. (22.68 kg)	Gray	Bag
USA	VBLFTMW50	50 lb. (22.68 kg)	White	Bag
Canada	CVBLFTMG50	50 lb. (22.68 kg)	Gray	Bag
Canada	CVBLFTMW50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

VersaBond® LITE Professional Large and Heavy Tile Mortar

Product Description

VersaBond® LITE offers all the performance of VersaBond®-LFT with maximized creaminess and the benefits of a true lightweight mortar. This high bond strength formula is 30% lighter than a traditional mortar, resulting in a product that is easier to trowel and move around the jobsite. Designed for a wide variety of interior and exterior floor and wall installations, VersaBond LITE is excellent for setting large and heavy tile or stone. VersaBond LITE will not sag on walls and offers non-slump performance for floor installations. Capable of LHT thin-set applications up to 3/4" (19 mm) thick on horizontal surfaces after beat-in. Formulated with CustomLite® Technology, a 35 lb. (15.9 kg) bag covers the same area as a 50 lb. (22.7 kg) bag of traditional mortar. Contributing to LEED® certification, VersaBond LITE contains up to 16.5% recycled content by weight and 2.5% recycled content by volume. Exceeds ANSI A118.4HET, and A118.11 performance without the need for additives. Meets ISO 13007 C2ETS1P1 performance.

Key Features

- High bond strength
- Non-slump - LHT thin-set for us up to 3/4" (19 mm) thick
- Sag and slip resistant - immediately holds wall tiles in place
- Lightweight - 35 lbs. (15.9 kg) covers the same area as 50 lbs. (22.7 kg) of traditional mortar
- Exceptional creaminess for ease of troweling

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain and glass
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or un-gauged natural stone tile



Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Industry-approved cement backerboards
- Liquid-applied and waterproofing membranes such as RedGuard® Waterproofing and Crack Prevention Membrane, Custom® 9240 and RedGuard® SpeedCoat
- Crack isolation sheet membranes such as Crack Buster® Pro
- Uncoupling mats such as RedGuard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (sound stable, properly prepared/primed with MBP or Redgard in wet areas)
- Fully-bonded sheet vinyl flooring (sound stable, properly prepared/primed with MBP in dry areas)
- Plastic laminates (sound stable, properly prepared/primed with MBP in dry areas)
- Cutback adhesive (see preparation instructions)

Composition of Product

Modified dry-set mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- High bond strength
- Suited for LHT thin-set applications
- Non-sag, non-slump for heavy floor and wall tile and stone installation up to 3/4" (19 mm) thick
- Exceeds ANSI A118.4HET and A118.11 standards without the need for additives
- 30% lighter than traditional mortars. A 35 lb (15.9 kg) bag covers the same area as a 50 lb (22.7 kg) bag of traditional mortar
- Not formulated with silica sand

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone use EBM-Lite™ Epoxy Bonding Mortar 100% Solids, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact CUSTOM's® Technical Services for recommendations.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact CUSTOM's Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact CUSTOM's Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

35 lb (15.9 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4HET and A118.11 American National Standards for the Installation of Ceramic Tile. Meets ANSI A138.1 for Sustainable Tile Installation Products.

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile

Resilient Floor Covering Institute (RFCI)

Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171.

International Organization for Standardization (ISO) 13007-2 for Thin-Set Mortar.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Open Time	A118.4	≥ 75 psi at 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.4	> 300 psi	350 - 450 psi (2.41 - 3.10 kg/cm ²)
Porcelain Tile	A118.4	> 200 psi	400 - 475 psi (2.41 - 3.10 kg/cm ²)
Quarry Tile to Plywood	A118.11	> 150 psi	225 - 300 psi (1.21 - 1.55 kg/cm ²)
Sag on Walls	A118.15	< 0.02 in. (0.5 mm)	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Complies with CA Section 01350 and CDPH V1.2-2017.

See Additional LEED® Information, including EPD/Environmental Product Declarations at <https://www.custombuildingproducts.com/leed-information#LEEDInformation/>

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	VBLTMG35	35 lb (15.9 kg)	Gray	Bag
USA	VBLTMW35	35 lb (15.9 kg)	White	Bag
Canada	CVBLTMG35	35 lb (15.9 kg)	Gray	Bag
Canada	CVBLTMW35	35 lb (15.9 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 35 LB BAG (SQUARE METER PER 15.9 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 M ²)	100 sq. ft. (9.3 M ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	63 sq. ft. (5.9 M ²)	70 sq. ft. (6.5 M ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	45 sq. ft. (4.2 M ²)	50 sq. ft. (4.6 M ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	36 sq. ft. (3.3 M ²)	40 sq. ft. (3.7 M ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	45 sq. ft. (4.2 M ²)	50 sq. ft. (4.6 M ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

MultiSet LFT

Large Format Tile Mortar

Product Description

MultiSet LFT Fortified Mortar is an economical, polymer-modified medium bed mortar for use with large format porcelain, ceramic tile on concrete surfaces with a non-slumping formula to help control lippage. MultiSet LFT can be applied to 3/4" (19 mm) thick on horizontal applications. MultiSet LFT exceeds ANSI A118.4H and A118.11 without the need for additives.

Key Features

- For most standard floor installations
- Supports large and heavy tile for flat, even installations
- Bonds to cement and exterior grade plywood surfaces.

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, pavers Impervious porcelain

Suitable Substrates

- Concrete, mortar beds
- Cement backerboards
- Liquid-applied and fabric waterproofing membranes such as RedGard® Waterproofing Membrane and Custom® 9240 Crack isolation sheet membranes such as Crack Buster® Pro Uncoupling mats such as RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer
- Existing ceramic tile (scarified)
- Exterior Grade Plywood (interior residential and light commercial dry areas)

Composition of Product

Modified dry-set mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Specially formulated for large format tiles
- Good bond strength
- Approved for industry-recommended interior and exterior applications
- Exceeds ANSI A118.4H and A118.11 standards without the need for additives



Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features.
- CUSTOM recommends MegaLite® Crack Prevention Mortar and ProLite® Large Tile and Stone Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Custom Technical Services.
- When setting moisture sensitive natural stone, cement or resin agglomerate tile use EBM-Lite™ 100% Solids Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone; use EBM-Lite™ 100% Epoxy Bonding Mortar 100% Solids, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Custom's® Technical Services for recommendations.
- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Custom's® Technical Services for recommendations.
- Ensure that the substrate meets deflection requirements
- Do not bond to fully-bonded sheet vinyl flooring (scarified) or plastic laminates (scarified)

Packaging

50 lb. (22.68 kg) bag
Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
 — ANSI A108.5, A118.4 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute - (RFCI)
 Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) - TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171 ISO 13007-2

- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	MSMLFTG50	50 lb. (22.68 kg)	Gray	Bag
USA	MSMLFTW50	50 lb. (22.68 kg)	White	Bag
Canada	CMSMLFTG50	50 lb. (22.68 kg)	Gray	Bag
Canada	CMSMLFTW50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			4 hours
Open Time	A118.4 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength Mixed with Water			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	400 - 500 psi (21.2 - 22.8 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	250 - 325 psi (14.1 - 19.3 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	>150 psi	150-250 psi (10.6 - 17.6 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

Complete Contact™ Fortified Mortar

Product Description

A polymer-modified, flowable and full contact mortar that can be used for thin and medium bed applications, eliminating the need for back buttering. It offers full mortar transfer to the back of the tile. Unlike traditional Thin-Sets, Complete Contact™ is fluid, yet holds its ridges and supports the deeper notch trowel sizes required for larger tile.

Key Features

- Excellent for setting large modular tile and stone
- Can be used in thin-bed and medium-bed applications
- Less pressure needed to embed tile

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile; ceramic, quarry, cement body tile, pavers
- Impervious porcelain
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster, cement backerboards
- Liquid-applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Custom® 9240 and RedGard® SpeedCoat Crack isolation sheet membranes such as Crack Buster® Pro Uncoupling mats such as RedGard® Uncoupling Mat
- Substrates treated with MBP Multi-Surface Bonding Primer Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (see preparation instructions)

Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.



Benefits of Product in the Installation

- Provides full mortar transfer to the back of the tile to save installation time by eliminating the need for back-buttering
- Holds ridges and supports the deeper notch trowel sizes required for larger tile
- Can be used in thin-set or medium bed applications up to 3/4" (19 mm)
- More fluid than traditional thin-sets
- Exceeds ANSI A118.4 and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features. CUSTOM recommends MegaLite® Ultimate Crack Prevention Large Format Tile Mortar and ProLite® Premium Large Format Tile Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Epoxy Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Custom's Technical Services for recommendations.

- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

50 lb. (22.68 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4, A118.15 and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile

Installation Systems Using the Robinson-Type Floor Tester Resilient Floor Covering Institute (RFCI) "Recommended Work Practices for Removal of Resilient Floor Coverings"

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			2 Hours
Open Time	A118.15 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	450 - 550 psi (31.6 - 38.7 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 475 psi (28.1 - 33.4 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	200 - 300 psi (14.1 - 21.1 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
CCG50*	50 lb. (22.68 kg)	Gray	Bag
CCW50*	50 lb. (22.68 kg)	White	Bag

*Indicates special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

MegaLite® RS Ultimate Rapid Setting Crack Prevention Large Format Mortar

Product Description

A premium one part formula with the high, fast bond strengths and flexibility to withstand horizontal movement to isolate substrate cracks up to 1/8" (3.2 mm). For time-critical commercial and residential installations under the most demanding requirements, capable of thin-set or medium bed application up to 3/4" (19 mm) thick on horizontal surfaces after beat in. Non-slump, medium-bed features provide the ultimate support for large format tile and stone. No need for two part additives to meet high bond and flexibility or compressive strength requirements. The rapid setting formula allows grouting in less than 3 hours, traffic in 4 hours. A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar. Use for interior or exterior floors, countertops and walls. Formulated with recycled material contributes to LEED® certification. Exceeds ANSI A118.4FHT, A118.15FHT and A118.11 without the need for additives.

Key Features

- Fast curing - Grout in 3 hours, open for traffic in 4 hours
- Unsurpassed bond strength and flexibility
- Non-slump for floors, sag and slip resistant for walls
- Lightweight - 30 lbs. covers the same area as 50 lbs. of traditional mortar

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster cement backerboards
- Liquid applied waterproofing membranes such as RedGuard® and Custom® 9240
- Crack prevention sheet membranes such as Crack Buster® Pro
- Exterior Grade Plywood Substrates meeting deflection requirements (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully bonded sheet vinyl flooring (scarified)



- Plastic laminates (scarified)
- Cutback adhesive (see preparation instructions)

Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Sets quickly
- Allows grouting in as little as 3 hours and light foot traffic in 4 hours
- Maximum bond strength and flexibility
- Isolates cracks
- Non-slump medium bed for heavy tile and stone installations for floors and walls
- Exceeds ANSI A118.4FHT, A118.15FHT and A118.11 standards without the need for additives
- Not formulated with silica sand
- Recommended for interior and exterior pools and water features which require ANSI A118.15 bonding mortars.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- Do not use to install resin backed stone use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.

- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

30 lb. (13.6 kg) bag
Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
- ANSI A108.5, A118.4, A118.15 and A118.11
of the American National Standards for the
Installation of Ceramic Tile ISO 13007-2

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute — (RFCI)
Recommended Work Practices for Removal
of Resilient Floor Coverings

Tile Council of North America (TCNA) —
TCNA Handbook for Ceramic Tile Installation,
TCNA Method EJ171v

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			40 - 60 Minutes
Open Time	A118.15 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	725 - 850 psi (51.0 - 59.8 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	650 - 725 psi (45.7 - 51.0 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	350 - 425 psi (24.6 - 29.9 kg/cm ²)
Sag on Walls	A118.4 Section 4.6	< 1/16"	Pass

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
MLRSG30	30 lb. (13.6 kg)	Gray	Bag
MLRSW30	30 lb. (13.6 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 30 LB BAG (SQUARE METER PER 13.6 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @ 30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

ProLite® RS Premium Rapid Setting Large Format Tile Mortar

Product Description

A lightweight, medium bed, rapid-setting mortar. This technologically advanced mortar offers high-performance and flexibility designed to meet the rigors of setting large format tile and stone for fast track commercial or residential installations. Capable of thin-set or medium bed application up to 3/4" (19 mm) thick on horizontal surfaces after beat-in. Adjustments allowed, yet it will set quickly, allowing the grouting process to begin in under 3 hours with light traffic in 4 hours. One part formula with no need for a separate liquid additive to improve bond strength, flexibility or performance. Excellent open time and adjustability. Non-slump performance for floor installations. Formulated with CustomLite® Technology, ProLite® is 40% lighter than traditional mortars, providing excellent handling characteristics. A 30 lb. (13.6 kg) bag covers the same area as a 50 lb. (22.68 kg) bag of traditional mortar. Formulated with recycled material and contributes to LEED® certification. Exceeds ANSI A118.15FHT and A118.11 without the need for additives.

Key Features

- Fast curing - Grout in 3 hours, open for traffic in 4 hours
- High bond strength
- Non-slump for floors, sag and slip resistant for walls
- Lightweight - 30 lbs. covers the same area as 50 lbs. of traditional mortar

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGuard® and Custom® 9240



Crack prevention sheet membranes such as Crack Buster® Pro

- Exterior Grade Plywood Substrates meeting deflection requirements (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (see preparation instructions)

Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Sets quickly
- Allows grouting in as little as 3 hours and foot traffic in 4 hours
- Maximum bond strength and flexibility
- Non-slump medium bed for heavy tile and stone installations for floors and walls
- Exceeds ANSI A118.15FHT, A118.4FHT and A118.11 standards without the need for additives
- Not formulated with silica sand
- Recommended for interior and exterior pools and water features which require ANSI A118.15 bonding mortars.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.

- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- Do not use to install resin backed stone use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			40 - 60 Minutes
Open Time	A118.15 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	550 - 650 psi (38.7 - 45.7 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 475 psi (28.1 - 33.4 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	225 - 300 psi (15.8 - 21.1 kg/cm ²)
Sag on Walls	A118.4 Section 4.6	< 1/16"	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	PLRSW30	30 lb. (13.6 kg)	White	Bag
USA	PLRSG30	30 lb. (13.6 kg)	Gray	Bag
Canada	CPLRSW30	30 lb. (13.6 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Packaging

30 lb. (13.6 kg) bag
Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) - ANSI A108.5, A118.4, A118.5 and A118.11 of the American National Standards for the Installation of Ceramic Tile ISO 13007-2
ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester

Resilient Floor Covering Institute — (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
Tile Council of North America (TCNA) — TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Coverage*

SQUARE FOOT COVERAGE PER 30 LB BAG (SQUARE METER PER 13.6 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	63 sq. ft. (5.9 m ²)	70 sq. ft. (6.5 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	45 sq. ft. (4.2 m ²)	50 sq. ft. (4.6 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	36 sq. ft. (3.3 m ²)	40 sq. ft. (3.7 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	45 sq. ft. (4.2 m ²)	50 sq. ft. (4.6 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

VersaBond® LFT RS Professional Rapid Setting Large Format Tile Mortar

Product Description

VersaBond-LFT RS professional grade adhesive mortar is a rapid setting, non-sag, non-slump, polymer modified mortar for use with large format porcelain, ceramic and natural stone tile. With a non-slumping formula to eliminate lippage, VersaBond-LFT RS can be applied to 3/4" (19 mm) thick on horizontal surfaces. Suitable for floors and walls, VersaBond-LFT RS exceeds ANSI A118.4FHT and A118.11.



Key Features

- For most standard floor and wall installations
- Supports large and heavy tile for flat, even installations
- For use with in-floor heating systems
- Approved for industry-recommended interior and exterior applications
- Grout and light traffic in under 2 hours and heavy traffic in 24 hours (in temperate conditions).

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain and glass
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or un-gauged natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGuard® and Custom® 9240
- Crack prevention sheet membranes such as Crack Buster® Pro
- Exterior Grade Plywood Substrates meeting deflection requirements (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (see preparation instructions)

Composition of Product

Modified dry-set mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Rapid setting formulation for quick turn jobs
- Specially formulated for large format tiles
- Non-slumping formula eliminates lippage
- Cost-efficient, all-purpose mortar
- Good bond strength
- Fast curing keeps cold climate jobs moving
- Exceeds ANSI A118.4FHT and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features.
- CUSTOM recommends Megalite® Crack Prevention Mortar and ProLite® Large Tile and Stone Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Custom Technical Services.
- When setting moisture sensitive natural stone, cement or resin agglomerate tile use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact CUSTOM's Technical Services for recommendations.

- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact CUSTOM's Technical Services for recommendations.
- Ensure that the substrate meets deflection requirements.

Packaging

50 lb (22.68 kg) bag
Gray

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4HET and A118.11
American National Standards for the Installation of Ceramic Tile. Meets ANSI A138.1 for Sustainable Tile Installation Products.

ASTM International (ASTM)

- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile

Resilient Floor Covering Institute (RFCI)
Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Complies with ISO 13007-2

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Open Time	A118.4	≥ 75 psi at 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.4	> 300 psi	350 - 450 psi (2.41 - 3.10 kg/cm ²)
Porcelain Tile	A118.4	> 200 psi	400 - 475 psi (2.41 - 3.10 kg/cm ²)
Quarry Tile to Plywood	A118.11	> 150 psi	225 - 300 psi (1.21 - 1.55 kg/cm ²)
Sag on Walls	A118.15	< 0.02 in. (0.5 mm)	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Complete the LEED® Product Data Request Form at custombuildingproducts.com for detailed information based on project location. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	VBLFTMRSG50	50 lb (22.68 kg)	Gray	Bag
Canada	CVBLFTMRSG50	50 lb (22.68 kg)	Gray	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

Complete Contact™ LFT Premium Rapid Setting Large Format Tile Mortar

Product Description

Complete Contact™-LFT Premium Rapid Setting Large Format Tile Mortar is a polymer modified, full contact medium bed mortar, specifically designed for floors, that has a rapid curing formula that allows grouting in as little as 2 hours, and light foot traffic in 4 – 6 hours; commercial traffic in 24 hours. Excellent for large format tile and stone, Complete Contact™-LFT Premium Rapid Setting Large Format Tile Mortar is suited for thin and medium bed applications up to 3/4" (19 mm), eliminating the need for back buttering. It offers full mortar transfer to the back of the tile. Unlike traditional thin-sets, Complete Contact™-LFT Premium Rapid Setting Large Format Tile Mortar is more fluid yet holds its ridges and supports the deeper notch trowel sizes required for larger file. Exceeds ANSI A118.4F, A118.11 and ANSI A118.15F

Key Features

- Non-slump; For use in thin-set and medium bed applications
- Eliminates the need for back-buttering
- Minimal shrinkage keeps large and heavy tiles in place

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, quarry, cement body tile, pavers
- Impervious porcelain
- Brick and stone veneer
- Cement-based precast terrazzo
- Gauged or ungauged natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)



- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)

Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

Specifically formulated for floors, Complete Contact™-LFT Premium Rapid Setting Large Format Tile Mortar offers full mortar transfer to the back of the tile eliminating the need for back-buttering or beating-in techniques. Unlike traditional thin-sets, it is more fluid yet holds its ridges and supports the deeper notch trowel sizes required for large format tiles and stones but actually uses less water than traditional mortars.

- Formulated with Controlled Cure Technology, it cures rapidly developing high early and final strength for quick installations - can be grouted in 2-4 hours and can withstand heavy commercial traffic 24 hours after grouting.
- It can be used in thin-bed as well as medium-bed applications with all types and sizes of tile up 3/4" (19 mm).
- Exceeds ANSI A118.4F, A118.11 and A118.15F without the need for additives.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.

- Not recommended for interior and exterior pools and water features. CUSTOM recommends Megalite® Ultimate Crack Prevention Large Format Tile Mortar and ProLite® Premium Large Format Tile Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

50 lb. (22.68 kg) bag
 Gray or white

Technical Data

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			40 - 60 Minutes
Open Time	A118.15 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	450 - 500 psi (31.6 - 35.2 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 475 psi (28.1 - 33.4 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	225 - 300 psi (15.8 - 21.1 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials - Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	CCLFTRSG50	50 lb. (22.68 kg)	Gray	Bag
USA	CCLFTRSW50	50 lb. (22.68 kg)	White	Bag
Canada	CCCLFTRSG50	50 lb. (22.68 kg)	Gray	Bag
Canada	CCCLFTRSW50	50 lb. (22.68 kg)	White	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

Complete Contact™ RS Fortified Mortar

Product Description

A polymer-modified, full-contact mortar that allows grouting in as little as 2 hours, and light foot traffic in 4-6 hours; commercial traffic in 24 hours. Excellent for large modular tile and stone, Complete Contact™ RS Fortified Mortar is suited for thin and medium bed applications, eliminating the need for back-buttering. It offers full mortar transfer to the back of the tile. Unlike traditional thin-Sets, Complete Contact™ RS is more fluid yet holds its ridges and supports the deeper notch trowel sizes required for larger tile.

Key Features

- Can be used in thin-set and medium bed applications
- Excellent for setting large modular tile and stone
- Less pressure needed to embed tile
- Fast curing - ready for grout in 3 to 4 hours

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and thin brick
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGuard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)



Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Rapid curing, allowing grouting in as little as 2 hours, light foot traffic in 4-6 hours and heavy traffic in 24 hours
- Provides full mortar transfer to the back of the tile to save installation time by eliminating the need for back-buttering
- Holds ridges and supports the deeper notch trowel sizes required for larger tile
- More fluid than traditional thin-sets
- Exceeds ANSI A118.4 and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features. CUSTOM recommends MegaLite® Ultimate Crack Prevention Large Format Tile Mortar and ProLite® Premium Large Format Tile Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.

- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

50 lb. (22.68 kg) bag
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4, A118.15 and A118.11 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			40 - 60 Minutes
Open Time	A118.15 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.15 Section 7.1.2	> 450 psi	450 - 500 psi (31.6 - 35.2 kg/cm ²)
Porcelain Tile	A118.15 Section 7.2.5	> 400 psi	400 - 475 psi (28.1 - 33.3 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	225 - 300 psi (15.8 - 21.1 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials - Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
CCRS650*	50 lb. (22.68 kg)	Gray	Bag
CCRSW50*	50 lb. (22.68 kg)	White	Bag

*Indicates special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	90 sq. ft. (8.4 m ²)	100 sq. ft. (9.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)
1/2" x 1/2" x 1/2" (13 x 13 x 13 mm) Square-Notch**	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @45° Angle	34 sq. ft. (3.2 m ²)	38 sq. ft. (3.5 m ²)
3/4" x 9/16" x 3/8" (19 x 14 x 9.5 mm) U-Notch @30° Angle	42 sq. ft. (3.9 m ²)	47 sq. ft. (4.4 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

SpeedSet™ Professional Rapid Setting Thin-Set Mortar

Product Description

A quick-setting, polymer-modified mortar, SpeedSet™ is excellent for commercial use and cold temperature installations, as well as small residential jobs and repairs. Its quick curing properties allow for grouting in as little as 2 hours and light traffic in 6 hours.

Key Features

- For time-critical installations
- Grout in 2 hours - traffic in 6 hours
- Great for tile repairs and smaller jobs

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and thin brick
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGuard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)
- Plastic laminates (scarified)
- Cutback adhesive (Refer to Technical Data Sheets for complete information)

Composition of Product

Modified dry mortar, which is a proprietary blend of Portland cement, inorganic aggregates, copolymers and chemicals.

Benefits of Product in the Installation

- Quick setting mortar for time-critical installations



- Allows for grouting in 2 hours and traffic in 6 hours
- Can be used for repair and small jobs
- Exceeds ANSI A118.4 and A118.11 standards without the need for additives

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Not recommended for interior and exterior pools and water features. CUSTOM recommends MegaLite® Ultimate Crack Prevention Large Format Tile Mortar and ProLite® Premium Large Format Tile Mortar for the installation of ceramic and porcelain tile in submerged applications. For additional information, contact Technical Services.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.

Packaging

25 lb. (11.34 kg) bag
 Gray or White

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.4, and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			30 Minutes
Open Time	A118.4 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	425 - 500 psi (29.9 - 35.2 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	300 - 400 psi (21.1 - 28.1 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	150 - 250 psi (10.5 - 17.6 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials - Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	SDS25	25 lb. (11.34 kg)	Gray	Bag
USA	SDSW25	25 lb. (11.34 kg)	White	Bag
Canada	CSDS25	25 lb. (11.34 kg)	Gray	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 25 LB BAG (SQUARE METER PER 11.34 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	45 sq. ft. (4.2 m ²)	50 sq. ft. (4.6 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	20 sq. ft. (1.9 m ²)	25 sq. ft. (2.3 m ²)

*See Coverage and Trowel Guide on page 57.

CustomBlend® Economical Non-Modified Thin-Set Mortar

Product Description

Offers economy with good bond strength for most tile projects and is recommended for floor installations. Good for setting Saltillo and other similar clay pavers. Offers good working time to apply and adjust tiles. For increased performance, use Custom® Building Products' ThinSet Mortar Admix when bonding dense tiles (porcelain and glass) or setting over Exterior Grade Plywood (EGP), existing tile and for exterior applications. Meets ANSI A118.1 without additives. Meets ANSI A118.4 and A118.11 when mixed with Thin-Set Mortar Admix.

Key Features

- For installations over concrete floors
- Mix with Thin-Set Mortar Admix for higher bond strengths

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

When Mixed with Water ANSI A118.1 Specifications:

- Interior floors, walls, countertops
- Concrete, mortar beds, masonry, Portland cement plaster
- Gypsum wallboard (dry areas)
- Water-resistant wallboard
- Cement backerboards

When Mixed with Mortar Admix ANSI A118.4 and A118.11 Specifications:

- Interior and exterior floors, walls, countertops
- Areas subject to freeze-thaw cycles
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Existing ceramic tile
- Sheet vinyl flooring, VCT
- Plastic laminates
- Cutback adhesive



Composition of Product

Proprietary blend of Portland cement, inorganic aggregates and chemicals.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.
- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.
- Not for use in submerged installations.

Packaging

50 lb. (22.68 kg) bags
Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.5, A118.1, A118.4 and A118.11 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			
Open Time	A118.1 Section 5.3	> 20 Minutes	Pass
4 Week Shear Bond Strength			
Mixed with Water			
Glazed Wall Tile	A118.1 Section 7.1	> 200 psi	225 - 300 psi (15.8 - 21.1 kg/cm ²)
Porcelain Tile	A118.1 Section 7.2	> 150 psi	150 - 225 psi (10.5 - 15.8 kg/cm ²)
Mixed with Mortar Admix			
Glazed Wall Tile	A118.4 Section 5.1.5	> 300 psi	300 - 400 psi (21.1 - 28.1 kg/cm ²)
Porcelain Tile	A118.4 Section 5.2.4	> 200 psi	200 - 300 psi (14.1 - 21.1 kg/cm ²)
Quarry Tile to Plywood	A118.11 Section 4.1.2	> 150 psi	150 - 200 psi (10.5 - 14.1 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	CBTSG50	50 lb. (22.68 kg)	Gray	Bag
USA	CBTSW50	50 lb. (22.68 kg)	White	Bag
Canada	CCBTSG50	50 lb. (22.68 kg)	Gray	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*.

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	85 sq. ft. (7.9 m ²)	95 sq. ft. (8.8 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	60 sq. ft. (5.6 m ²)	67 sq. ft. (6.2 m ²)

*See Coverage and Trowel Guide on page 57.

**See Important Note on page 57.

Thin-Set & Mortar Admix

Product Description

A liquid polymer designed to be used in place of water to increase performance of cement mortar beds, non-modified, thin-set mortars and cement-based grouts. It improves working characteristics and performance of cement based mixes to boost water resistance, shock resistance and freeze-thaw capabilities for tile, stone or masonry installations. Increases performance of non-modified thin-set mortars for setting dense tile and setting over hard-to-bond surfaces. Mortar Admix can be used with non-modified, thin-set mortars such as, CustomBlend® Economical Non-Modified Thin-Set Mortar. It can also be used with Salfillo Grout Mix.

Key Features

- Increases bond strength and performance
- Improves water resistance
- Mix with CustomBlend® Economical Non-Modified Thin-Set Mortar

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Liquid applied waterproofing membranes such as RedGard® Waterproofing and Crack Prevention Membrane, Redgard® SpeedCoat® Rapid Curing Waterproofing Membrane or Custom® 9240 Waterproofing and Anti-Fracture Membrane
- Crack isolation sheet membranes such as Crack Buster® Pro
- Exterior Grade Plywood (interior residential and light commercial dry areas)
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile (scarified)
- Fully-bonded sheet vinyl flooring (scarified)



- Plastic laminates (scarified)
- Cutback adhesive (Refer to website Technical Data Sheets for complete information)

Composition of Product

Liquid Latex

Benefits of Product in the Installation

When mixed with non-modified thin-set mortars and mortar bed mixes:

- Improves bond strength
- Improves freeze-thaw durability
- Improves Flexibility

Increases performance for:

- Installation of hard-to-bond tiles
- Interior and exterior applications

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile use EBM-Lite™ Premium Epoxy Bonding Mortar or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin backed stone; use EBM-Lite™ Premium Epoxy Bonding Mortar, CEG-Lite™ 100% Solids Commercial Epoxy Grout or contact Technical Services for recommendations.

- When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm), contact Technical Services for recommendations regarding subfloor deflection requirements.
- Not for use in submerged installations.

Packaging

2.5 gal (9.46 L) bottle

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
ANSI A108.5, A118.4 and A118.11 of the
American National Standards for the
Installation of Ceramic Tile

ASTM International (ASTM)

- Tile Council of North America (TCNA)
TCNA Handbook for Ceramic Tile
Installation, TCNA Method EJ171

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	AMA2	2.5 gallon (9.46 L)	Bottle
Canada	CAMA2	2.5 gallon (9.46 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage

Refer to CustomBlend® Economical Non-Modified Thin-Set Mortar. Coverage for mortar beds will vary dependent upon quantity mixed.

Related Products

CustomBlend® Economical Non-Modified Thin-Set Mortar

Salfillo Grout Mix

Polyblend® Plus Sanded Grout

EBM-Lite™

Premium Epoxy Bonding Mortar

Product Description

A three-component, water-cleanable 100% solids epoxy mortar system for installations where exceptional high-strength and chemical and impact resistance is required. The unique formula produces a mortar with greater bond and compressive strengths and improved chemical resistance over conventional cement or emulsion-based setting systems. EBM-Lite™'s unique and technologically advanced formulation provides non-sag and non-slip features that allows the mortar to hold tile in place. The non-slump capabilities are especially useful for supporting larger format tile or stone in floor installations. Formulated with CustomLite® Technology, it's 30% lighter than other epoxy mortars. This technology allows the handling characteristics of a cement-based mortar but retains the superior performance of an epoxy. It is the first 100% solids epoxy mortar with recycled materials contributing to LEED®. Exceeds ANSI A118.3 standards.

Key Features

- Excellent bond and compressive strengths
- High impact and chemical resistance
- Excellent for installing moisture sensitive and resin-backed stone
- Same coverage area as standard epoxy

Suitable Tile Types

- Moisture sensitive natural stone or agglomerates
- Resin-backed stone
- Vitreous, semi-vitreous or absorptive tile: ceramic, mosaic, quarry, cement
- Impervious porcelain and glass tile
- Brick and mini brick
- Cement-based precast terrazzo
- Natural stone tile including moisture sensitive green and black marble and granite

Suitable Substrates

- For floor and wall installations
- For interior use
- For exterior installations; surface temperature must remain between 60°F (16°C) and 90°F (32°C) during installation
- Industrial, commercial and institutional applications with extremely high mortar strength requirements
- High traffic areas such as airports and shopping malls



- Applications requiring high acid and chemical resistance such as dairies, breweries, bottling plants, bakeries, meat packing plants, pharmaceutical plants and animal hospitals
- Concrete, masonry, plaster
- Cement backerboards
- Gypsum wallboard (dry areas)
- Exterior Grade Plywood (interior dry areas)
- Properly prepared existing ceramic tile
- Properly prepared sheet vinyl, VCT
- Properly prepared existing plastic laminate
- Properly prepared bare carbon steel
- Properly prepared cutback adhesive
- Properly prepared fiberglass
- Properly prepared metal
- Liquid applied waterproofing membranes such as RedGard® and Custom® 9240

Composition of Product

Epoxy resin and hardeners blended with inorganic fillers.

Limitations to the Product

- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, plastic and OSB panels.
- Epoxy mortar should not be used to level the floor. When used as a medium bed mortar, thickness should not exceed 3/4" (19 mm) after tiles have been beaten in.
- When setting glass tile over 6" x 6" (15 x 15 cm) contact Technical Services for recommendations.
- When setting dimensional stone larger than 12" x 12" (30 x 30 cm) contact Technical Services for recommendations regarding subfloor deflection requirements.

- Temperature will affect the working time of EBM-Lite™. Hot weather will accelerate curing and shorten working time. Cold weather will slow curing and extend working time. Surface temperatures for installation should be between 60°F (16°C) and 90°F (32°C).
- Not recommended in some manufacturing facilities where heavy solvents are used. Consult Technical Services on questionable installations.
- Not recommended for mortar in areas with high moisture vapor emission or for a full building envelope application (re: entire exterior building veneer).

Packaging

Part A 68 fl. oz. (2 L) bottle
 Part B 32 fl. oz. (.9 L) bottle
 Part C 14.4 lb. (6.5 kg) bag

Technical Data

Applicable Standards

Detailed installation procedures and use of epoxy mortars may be found in the TCNA Handbook under F-113, F-114, F-115, F-116, F-125, F-128, F-143, F-131, F-132, F-134, F-135, F-200, F-205, TR-711 and TR-712. conforms to requirements for chemical-resistant, water cleanable tile setting epoxy found in ANSI A108.6 and ANSI A118.3.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life			1 hour
Open Time			45 minutes
Water Cleanability	A118.3 Section 5.1	Cleanable at 80 minutes	Pass
Shear Bond Strength at 28 Days			
Porcelain Tile			1000 psi (70.3 kg/cm ²)
Quarry Tile to Plywood	A118.3 Section 5.5	> 1000 psi	1200 psi (84.3 kg/cm ²)
Sag on Walls	A118.3 Section 5.6	> 3500 psi	4000 psi (281.2 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
EBML	Setting Unit:		Pail
	68 fl. oz. (2 L) A	Clear Liquid	Bottle
	32 fl. oz. (.9 L) B	Amber Liquid	Bottle
	14.4 lb. (6.5 kg) C	Off White Powder	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER 1.9 GALLON UNIT (SQUARE METER PER 7.2 L UNIT)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch	50 sq. ft. (4.6 m ²)	55 sq. ft. (5.1 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch	35 sq. ft. (3.3 m ²)	40 sq. ft. (3.7 m ²)

*See Coverage and Trowel Guide on page 57.

Thick Bed Bedding Mortar

Product Description

Pre-blended underlayment specifically designed to float a mortar bed for ceramic and natural stone tile. It is easy to mix and use, eliminating the need for site mixing of sand and cement. Thick Bed Bedding Mortar's 3:1 mix ratio provides a high-strength surface ideal for tiling commercial and industrial installations.

Key Features

- Pre-blended; no job-site blending required
- Easy to mix and use

Suitable Substrates

- Interior or exterior floors
- Concrete, masonry
- Gypsum wallboard (interior dry areas)
- Exterior Grade Plywood (interior dry areas)

Limitations to the Product

- Do not apply directly over wood, metal, fiberglass, plastic and OSB panels lightweight concrete, gypsum underlayment, OSB, particle board, hardwood or Parquet floors.

Packaging

50 lb (22.68 kg) bags

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.1 of the American National Standards for the Installation of Ceramic Tile
ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50-mm] Cube Specimens)
- ASTM C627 Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson-Type Floor Tester
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings
- Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171



Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
Canada	CTBBM50	50 lb. (22.68 kg)	Bag

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*.

SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER PER 22.68 KG)		
THICKNESS	MIN COVERAGE	MAX COVERAGE
1/2" (13 mm)	9 sq. ft. (0.8 m ²)	11 sq. ft. (1 m ²)
1" (25 mm)	4.5 sq. ft. (0.4 m ²)	5.5 sq. ft. (0.5 m ²)

*See Coverage and Trowel Guide on page 57.

OmniGrip®

Premium Lightweight Tile Adhesive

Product Description

A flexible, lightweight, high-polymer adhesive for tile and stone installation. Designed to resist intermittent water exposure and has 33% less shrinkage than traditional adhesives, as well as sag resistance. Ideal for small format for ceramic, mosaic, quarry, pavers, gauged slate, porcelain and gauged stone tile installations on walls, floors or countertops. Recommended for tile up to 12" (30.5 cm) on any side. Can be used with tile up to 15" (38.1 cm) on any side but dry time significantly increases. For tile with any side greater than 15" (38.1 cm) CUSTOM recommends using a polymer modified cement mortar specifically for large format tile.

Key Features

- High flexibility and bond strength
- 33% less shrinkage than traditional adhesives
- Sag and slip resistant - immediately holds wall tiles in place
- Ideal for small format tile
- Great for tub surrounds or shower walls

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic and impervious porcelain, mosaic, quarry tile, slate and stone.

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Exterior Grade Plywood (EGP) interior residential and light commercial dry areas
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile
- Plastic laminates
- Cutback adhesive (see preparation instructions)

Composition of Product

Proprietary blend of acrylic copolymers, calcium carbonate and inorganic materials.

Benefits of Product in the Installation

- 33% less shrinkage than traditional adhesives for maximum coverage and bond
- Lightweight - Weighs 33% less than traditional adhesives
- Exceeds ANSI A136.1, Type 1 standards for prolonged water exposure
- Flexible for increased crack resistance



Limitations to the Product

- If dry time is a concern due to tile size or other limitations noted, use a traditional polymer modified thin-set mortar.
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring.
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile, check with Custom Technical Services; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use to install resin-backed marble of stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Recommended for interior use only. Do not use for steam rooms, shower floors or underwater. For those installations, use CUSTOM Polymer-Modified Mortar Systems.
- Not for use over radiant heat systems.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.
- Do not use to install fixtures, ungauged natural stone, gauged stone thicker than 3/8" (9.5 mm), transparent glass tile, translucent stone, Saltillo pavers or lug back tile on floors.

Packaging

- 1 gal (3.78 L) pail
- 3.5 gal (13.25 L) pail
- 1 quart (0.95 L) pail Canada Only
- White

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
ANSI A108.4 and A136.1, Type 1 American
National Standards for the Installation of
Ceramic Tile

Tile Council of North America (TCNA)
TCNA Handbook for Ceramic Tile
Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Open Time			> 60 Minutes
Adjustment Time			> 60 Minutes
Freeze-Thaw Stability			Stable
Shear Bond Strength			
7 Day Dry	A136.1 Section 6.2.3.1	> 50 psi	Pass
28 Day Dry	A136.1 Section 6.2.3.3	> 50 psi	Pass
Type I After Water Immersion	A136.1 Section 6.2.3.2	> 50 psi	Exceeds
Heat Resistance	A136.1 Section 6.2.3.5	> 10 lbs. per tile	Pass
Impact Resistance	A136.1 Section 6.2.3.6	Tile Remain Bonded	Pass
Staining	A136.1 Section 6.3	< 70% Penetration	Pass
Resistance to Mold Growth	A136.1 Section 6.4	No Growth	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	OGA1-2	1 gallon (3.78 L)	White	Pail
USA	OGA3	3 1/2 gallon (13.25 L)	White	Pail
Canada	COGAQT	1 quart (.946 L)	White	Pail
Canada	COGA1-2	1 gallon (3.78 L)	White	Pail
Canada	COGA3	3 1/2 gallon (13.25 L)	White	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
3/16" x 5/32" (5 x 4 mm) V-notch for tile up to 6" (15 cm) on any one side	40 sq. ft. (3.7 m ²)	60 sq. ft. (5.6 m ²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-notch for tiles up to 12" (30 cm) on any one side	15 sq. ft. (1.4 m ²)	25 sq. ft. (2.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-notch for tiles up to 15" (38.1 cm) on any one side	10 sq. ft. (.93 m ²)	14 sq. ft. (1.4 m ²)

*See Coverage and Trowel Guide on page 57.

AcrylPro®

Professional Tile Adhesive

Product Description

AcrylPro® Professional Ceramic Tile Adhesive is a professional formula adhesive with high bond strengths. Ideal for small format ceramic, mosaic, porcelain and most gauged stone tile on walls or floors, AcrylPro may be used in areas with intermittent water exposure such as tub surrounds and shower walls.

Recommended for tile up to 8" (20 cm) on any side. Can be used with tile up to 15" (38 cm) on any side but dry time significantly increases. For tile with any side greater than 15" (38 cm), CUSTOM recommends using a polymer modified cement mortar specifically designed for setting large format tile. Call Technical Services at 800-272-8786 for more information.

Key Features

- For standard wall and floor tile installations
- Just spread and set
- Ideal for small format tile
- Sets porcelain, ceramic and stone

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic impervious porcelain, mosaic, quarry tile, slate and natural stone.

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Exterior Grade Plywood (EGP) interior residential and light commercial dry areas
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile
- Plastic laminates
- Cutback adhesive (see preparation instructions)

Composition of Product

Proprietary blend of acrylic copolymers, calcium carbonate and inorganic materials.

Benefits of Product in the Installation

- High bond strengths for 8" x 8" (20 x 20 cm) floor tile
- Meets ANSI A136.1, Type 1 requirements for intermittent water exposure



Limitations to the Product

- Recommended floor tile size: 8" (20 cm) or less on all sides.
- If dry time is a concern due to tile size or other limitations noted, use a traditional polymer modified thin-set mortar instead.
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile, check with Custom Technical Services; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- When installing ceramic plank tile greater than 15" (38.1 cm) long, use a cement mortar designed for large format tile.
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring
- Do not use to install resin-backed marble or stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Recommended for interior use only. Do not use for steam rooms, shower floors or underwater. For those installations, use CUSTOM® Polymer-Modified Mortar Systems.
- Not for use over radiant heat systems.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.
- Do not use to install fixtures, ungauged natural stone, gauged stone thicker than 3/8" (9.5 mm), transparent glass tile, translucent stone, Saltlino pavers or lug back tile on floors.

Packaging

1 quart (.95 L) pail
 1 gallon (3.78 L) pail
 3.5 gal (13.25 L) pail
 White

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
 ANSI A108.4 and A136.1, Type 1 American
 National Standards for the Installation of
 Ceramic Tile

Tile Council of North America (TCNA)
 TCNA Handbook for Ceramic Tile
 Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Open Time			75 Minutes
Adjustment Time			45 Minutes
Freeze-Thaw Stability			Stable
Shear Bond Strength			
7 Day Dry	A136.1 Section 6.2.3.1	> 50 psi	Pass
28 Day Dry	A136.1 Section 6.2.3.3	> 50 psi	Pass
Type I After Water Immersion	A136.1 Section 6.2.3.2	> 50 psi	Meets
Heat Resistance	A136.1 Section 6.2.3.5	> 10 lbs. per tile	Pass
Impact Resistance	A136.1 Section 6.2.3.6	Tile Remain Bonded	Pass
Staining	A136.1 Section 6.3	< 70% Penetration	Pass
Resistance to Mold Growth	A136.1 Section 6.4	No Growth	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials

- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	ARL4000QT	1 quart (.946 L)	White	Pail
USA	ARL40001-2	1 gallon (3.78 L)	White	Pail
USA	ARL40003	3 1/2 gallon (13.25 L)	White	Pail
Canada	CARL4000QT	1 quart (.946 L)	White	Pail
Canada	CARL40001-2	1 gallon (3.78 L)	White	Pail
Canada	CARL40003	3 1/2 gallon (13.25 L)	White	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
TROWEL SIZE	MIN	MAX
3/16" x 5/32" (5 x 4 mm) V-Notch for tile up to 6" x 6" (15 x 15 cm)	40 sq. ft. (3.7 m ²)	60 sq. ft. (5.6 m ²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch for tiles up to 6" x 6" (15 x 15 cm) or larger	15 sq. ft. (1.4 m ²)	25 sq. ft. (2.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch for tiles up to 12" x 12" (30 x 30 cm) or larger	10 sq. ft. (.93 m ²)	14 sq. ft. (1.4 m ²)

*See Coverage and Trowel Guide on page 57.

ReliaBond®

Professional Tile Adhesive

Product Description

An all-purpose pro-formula adhesive, ReliaBond® is formulated for use on wall, floor and countertop installations of ceramic and stone (walls only) tile. The smooth, creamy acrylic formula spreads easily and offers great slip resistance on vertical applications. Exceeds ANSI A136.1 Type I requirements for organic adhesives. Suitable for intermittently wet areas such as tub surrounds or shower walls.

Recommended for tile up to 8" (20 cm) on any side. Can be used with wall or countertop tile up to 15" (38 cm) on any side but dry time significantly increases. For tile with any side greater than 15" (38 cm) CUSTOM recommends using a polymer modified thinset mortar for setting large format tile. Call Technical Services for more information at 800-282-8786.

Key Features

- For walls, floors and countertops
- Smooth, easy to trowel
- Ideal for small format tile

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic impervious porcelain, mosaic, quarry tile, slate and natural stone.

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Exterior Grade Plywood (EGP) interior residential and light commercial dry areas
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile
- Plastic laminates
- Cutback adhesive (see preparation instructions)

Composition of Product

Proprietary blend of acrylic copolymers, calcium carbonate and inorganic materials.



Benefits of Product in the Installation

- High bond strengths for 8" x 8" (20 cm x 20 cm) floor tile
- Meets ANSI A136.1, Type 1 requirements for intermittent water exposure

Limitations to the Product

- Recommended floor tile size: 8" (20 cm) or less on all sides.
- If dry time is a concern due to tile size or other limitations, use a traditional polymer modified thin-set mortar instead.
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile, check with Custom Technical Services; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring.
- Do not use to install resin-backed marble of stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Recommended for interior use only. Do not use for steam rooms, shower floors or underwater. For those installations, use CUSTOM® Polymer-Modified Mortar Systems.
- Not for use over radiant heat systems.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.

- Do not use to install fixtures, ungauged natural stone, gauged stone thicker than 3/8" (9.5 mm), transparent glass tile, translucent stone, Saltillo pavers or lug back tile on floors.

Packaging

3.5 gallon (13.25 L) pail
White

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.4 and A136.1, Type 1 American National Standards for the Installation of Ceramic Tile
Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Open Time			60 Minutes
Adjustment Time			45 Minutes
Freeze-Thaw Stability			Stable
Shear Bond Strength			
7 Day Dry	A136.1 Section 6.2.3.1	> 50 psi	Pass
28 Day Dry	A136.1 Section 6.2.3.3	> 50 psi	Pass
Type I After Water Immersion	A136.1 Section 6.2.3.2	> 50 psi	Pass
Heat Resistance	A136.1 Section 6.2.3.5	> 10 lbs. per tile	Pass
Impact Resistance	A136.1 Section 6.2.3.6	Tile Remain Bonded	Pass
Staining	A136.1 Section 6.3	< 70% Penetration	Pass
Resistance to Mold Growth	A136.1 Section 6.4	No Growth	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	RBM3	3.5 gallon (13.25 L)	White	Pail
Canada	CRBM3	3.5 gallon (13.25 L)	White	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
TROWEL SIZE	MIN	MAX
3/16" x 5/32" (5 x 4 mm) V-Notch for tile up to 6" x 6" (15 x 15 cm)	40 sq. ft. (3.7 m ²)	60 sq. ft. (5.6 m ²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch for tiles up to 6" x 6" (15 x 15 cm) or larger	15 sq. ft. (1.4 m ²)	25 sq. ft. (2.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch for tiles up to 12" x 12" (30 x 30 cm) or larger	10 sq. ft. (.93 m ²)	14 sq. ft. (1.4 m ²)

*See Coverage and Trowel Guide on page 57.

T1-60™**Economical Tile Adhesive****Product Description**

Offers economical and durable bonds for most wall, floor and countertop installations of ceramic tile. Offers superior adhesion and easy clean-up. Meets ANSI A136.1 Type I requirements for organic adhesives.

Recommended for tile up to 8" (20 cm) on any one side. Can be used with wall or countertop tile up to 15" (38 cm) but dry time significantly increases. For any tile with one or more sides greater than 15" (38 cm) CUSTOM recommends using a polymer modified thin-set mortar for setting large format tile. Call Technical Services for more information at 800-282-8786.

**Key Features**

- For basic floor and wall tile installations
- Easy to clean-up
- Ideal for small format tile

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic impervious porcelain, mosaic, quarry tile, slate and natural stone

Suitable Substrates

- Concrete, mortar beds, masonry, Portland cement plaster
- Cement backerboards
- Exterior Grade Plywood (EGP) interior residential and light commercial dry areas
- Gypsum wallboard (interior dry areas)
- Existing ceramic tile
- Plastic laminates
- Cutback adhesive (see preparation instructions)

Composition of Product

Proprietary blend of acrylic copolymers, calcium carbonate and inorganic materials.

Limitations to the Product

- Recommended floor tile size: 8" (20 cm) or less on all sides.
- If dry time is a concern due to tile size or other limitations, use a polymer modified thin-set mortar instead
- Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- When setting moisture sensitive natural stone, cement or agglomerate tile, check with Custom Technical Services; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring.
- Do not use to install resin-backed marble of stone; use EBM-Lite™ Epoxy Bonding Mortar 100% Solids or CEG-Lite™ 100% Solids Commercial Epoxy Grout.
- Recommended for interior use only. Do not use for steam rooms, shower floors or underwater. For those installations, use CUSTOM® Polymer-Modified Mortar Systems.
- Not for use over radiant heat systems.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.
- Do not use to install fixtures, ungauged natural stone, gauged stone thicker than 3/8" (9.5 mm), translucent glass tile, translucent stone, Saltlino pavers or lug back tile on floors.

Packaging

3.5 gallon (13.25 L) pail
White

Technical Data

Applicable Standards

American National Standards Institute (ANSI)
ANSI A108.4 and A136.1, Type 1 American
National Standards for the Installation of
Ceramic Tile

Tile Council of North America (TCNA)
TCNA Handbook for Ceramic Tile Installation,
TCNA Method EJ171

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Open Time			50 Minutes
Adjustment Time			40 Minutes
Freeze-Thaw Stability			Stable
Shear Bond Strength			
7 Day Dry	A136.1 Section 6.2.3.1	> 50 psi	Pass
28 Day Dry	A136.1 Section 6.2.3.3	> 50 psi	Pass
Type I After Water Immersion	A136.1 Section 6.2.3.2	> 50 psi	Pass
Heat Resistance	A136.1 Section 6.2.3.5	> 10 lbs. per tile	Pass
Impact Resistance	A136.1 Section 6.2.3.6	Tile Remain Bonded	Pass
Staining	A136.1 Section 6.3	< 70% Penetration	Pass
Resistance to Mold Growth	A136.1 Section 6.4	No Growth	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
T1603	3.5 gallon (13.25 L)	White	Pail

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
TROWEL SIZE	MIN	MAX
3/16" x 5/32" (5 x 4 mm) V-Notch for tile up to 6" x 6" (15 x 15 cm)	40 sq. ft. (3.7 m ²)	60 sq. ft. (5.6 m ²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch for tiles up to 6" x 6" (15 x 15 cm) or larger	15 sq. ft. (1.4 m ²)	25 sq. ft. (2.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch for tiles up to 12" x 12" (30 x 30 cm) or larger	10 sq. ft. (.93 m ²)	14 sq. ft. (1.4 m ²)

*See Coverage and Trowel Guide on page 57.

SimplePrep® Pre-Mixed Floor Patch

Product Description

Repairs holes and cracks in concrete and plywood floors prior to installing tile or other flooring. Smooths and fills minor dips and imperfections.

Key Features

- Ready to use
- No mixing
- Fills minor dips and imperfections

Suitable Substrates

- For interior use only
- Concrete
- Cement backerboards
- Ceramic tile
- Exterior grade plywood
- Vinyl flooring

Limitations to the Product

- Do not use as a wear surface.
- Use on non-porous surfaces may lead to an extended drying time.

Packaging

1 quart (.946 L) pail

1 gallon (3.78 L) pail

Technical Data

Technical Properties Chart

Not available.

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute to LEED® certification.



Availability & Cost

	ITEM CODE	SIZE	COLOR	PACKAGE
USA	FPQT	1 quart (.946 L)	Gray	Pail
USA	FP1-2	1 gallon (3.78 L)	Gray	Pail
Canada	CFPQT	1 quart (.946 L)	Gray	Pail
Canada	CFP1-2	1 gallon (3.78 L)	Gray	Pail

Product Maintenance

Do not use as a wear surface.

SimpleSet[®]

Pre-Mixed Thin-Set Mortar

Product Description

A no-mix, no-mess alternative to traditional thin-set mortars spreads quickly and easily. Recommended to bond porcelain, stone, marble, granite and ceramic or porcelain tile up to 8" x 8" (20 x 20 cm). Can be used with tile with one side up to 15" (38 cm), but dry time significantly increases. Call Technical Services at 800-272-8786 for more information. For interior wall and floor installations. Use white SimpleSet when installing lighter-color stone and tile. Exceeds ANSI A136.1 Type I.



Key Features

- Ready to use
- No mixing, no mess
- Just spread and set

Suitable Tile Types

- Porcelain
- Marble, granite, stone (white mortar)
- Ceramic, mosaic
- Quarry tile

Suitable Substrates

- For interior dry areas
- Suitable for some wet areas such as tub surrounds and shower walls
- Concrete, masonry
- Plaster, gypsum wallboard (dry areas)
- Cement backerboards
- Exterior grade plywood (dry areas)
- Existing ceramic tile

Limitations to the Product

- Do not bond tile directly to lightweight concrete, gypsum surfaces, hardwood, Luan plywood, particle board, parquet, cushion or spongeback vinyl flooring, metal, fiberglass, plastic or OSB panels. Contact Technical Services.
- Do not use over non-porous surfaces such as waterproofing membranes, coated tile backer board and vinyl flooring

- For clear or translucent glass, CUSTOM recommends Glass Tile Premium Thin-Set Mortar. When setting glass tile larger than 6" x 6" (15 x 15 cm), contact Custom's[®] Technical Services for recommendations.
- Can be used with tile with one side up to 15" (38 cm), but dry time significantly increases.
- Do not use on shower floors or areas exposed to prolonged water exposure or steam.
- Do not use to install fixtures, ungauged stone tile, Saltillo pavers or clear or translucent glass tile.
- Do not use to install backerboards to subfloors, over a waterproof membrane or to install heating mats or coils. We recommend using a Custom polymer-modified mortar.
- When setting moisture sensitive stone, tile or agglomerates use EBM-Lite[™] Epoxy Bonding Mortar 100% Solids.
- Do not use more material than is necessary to bond tiles. If floor is uneven use a LevelQuik[®] or Levellite[®] Self Leveling Underlayment.
- Installation dry time varies depending on tile size and density, substrate porosity and ambient conditions.
- Not recommended for installing tile larger than 6" x 6" over waterproofing membranes.

Packaging

1 gallon (3.78 L) pail
 3 1/2 gallon (13.25 L) pail
 Gray or white

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.4 and A136.1, Type 1 American National Standards for the Installation of Ceramic Tile Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
USA			
SSTSW1-2	1 gallon (3.78 L)	White	Pail
CTTSG1-2	1 gallon (3.78 L)	Gray	Pail
STTSW3	3 1/2 gallon (13.25 L)	White	Pail
CTTSG3	3 1/2 gallon (13.25 L)	Gray	Pail
CANADA			
CCTTSW1-2	1 gallon (3.78 L)	White	Pail
CCTTSG1-2	1 gallon (3.78 L)	Gray	Pail
CSTTSW3	3 1/2 gallon (13.25 L)	White	Pail
CCTTSG3	3 1/2 gallon (13.25 L)	Gray	Pail

Product Maintenance

Properly installed product requires no special maintenance.

VOC Content

Complies with all Federal EPA and SCAQMD standards for VOC.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
TROWEL SIZE	MIN COVERAGE	MAX COVERAGE
3/16" x 5/32" (5 x 4 mm) V-Notch for tile up to 6" x 6" (15 x 15 cm)	40 sq. ft. (3.7 m ²)	44 sq. ft. (4.1 m ²)
1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) Square-Notch for tile up to 12" x 12" (30 x 30 cm)	20 sq. ft. (1.9 m ²)	25 sq. ft. (2.3 m ²)
1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) Square-Notch for tile over 12" x 12" (30 x 30 cm)	14 sq. ft. (1.3 m ²)	17 sq. ft. (1.6 m ²)

*See Coverage and Trowel Guide on page 57.

SimpleGrout® Pre-Mixed Grout

Product Description

The no-mix, no-mess alternative to traditional grout. The sanded, shrink and crack-resistant formula is also resistant to common household stains. Ideal for grout restoration.

Key Features

- Ready to use
- No mixing
- No mess
- Stain resistant
- No shrinking
- For joints 1/16" to 1/2" (1.6 mm to 13 mm)

Suitable Tile Types

- For interior use only
- Grouts ceramic, mosaic, quarry, porcelain, stone tile, marble and granite
- Suitable for wet areas such as tub surrounds, shower floors and shower walls (Refer to website Technical Data Sheets for complete information)

Limitations to the Product

- Porous stone can be stained by grout (Refer to website Technical Data Sheets for complete information)
- Do not use in steam rooms, areas exposed to prolonged water exposure or underwater.
- Some ceramic, glass, marble, metal or stone tiles can be scratched or damaged by the quartz sand filler. Perform a test on a small area prior to use. Polyblend® Non-Sanded Grout may be appropriate for joints up to 1/8" or for tile not suited for sanded grout.
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic tile Caulk.

Packaging

1 quart (.946 L) pail
1 gallon (3.78 L) pail



Technical Data

Technical Properties Chart

Not available.

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE
USA			
#09 Natural Gray	PMG09QT	1 quart (.946 L)	Pail
#105 Earth	PMG105QT	1 quart (.946 L)	Pail
#122 Linen	PMG122QT	1 quart (.946 L)	Pail
#165 Delorean Gray	PMG165QT	1 quart (.946 L)	Pail
#333 Alabaster	PMG333QT	1 quart (.946 L)	Pail
#380 Haystack	PMG380QT	1 quart (.946 L)	Pail
#381 Bright White	PMG381QT	1 quart (.946 L)	Pail
#09 Natural Gray	PMG091-2	1 gallon (3.78 L)	Pail
#105 Earth	PMG1051-2	1 gallon (3.78 L)	Pail
#122 Linen	PMG1221-2	1 gallon (3.78 L)	Pail
#165 Delorean Gray	PMG1651-2	1 gallon (3.78 L)	Pail
#333 Alabaster	PMG3331-2	1 gallon (3.78 L)	Pail
#380 Haystack	PMG3801-2	1 gallon (3.78 L)	Pail
#381 Bright White	PMG3811-2	1 gallon (3.78 L)	Pail

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE
CANADA			
#122 Linen	PMG1221-2	1 gallon (3.78 L)	Pail
#165 Delorean Gray	PMG1651-2	1 gallon (3.78 L)	Pail
#333 Alabaster	PMG3331-2	1 gallon (3.78 L)	Pail
#380 Haystack	PMG3801-2	1 gallon (3.78 L)	Pail
#381 Bright White	PMG3811-2	1 gallon (3.78 L)	Pail
#122 Linen	PMG122QT	1 quart (.946 L)	Pail
#165 Delorean Gray	PMG165QT	1 quart (.946 L)	Pail
#333 Alabaster	PMG333QT	1 quart (.946 L)	Pail
#380 Haystack	PMG380QT	1 quart (.946 L)	Pail
#381 Bright White	PMG381QT	1 quart (.946 L)	Pail

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Coverage*

TILE SIZE	SQUARE FOOT COVERAGE PER 1 GALLON PAIL (SQUARE METER COVERAGE PER 3.78 L)					
	JOINT WIDTH					
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	55 ft ² (5.1 m ²)	31 ft ² (2.9 m ²)	23 ft ² (2.1 m ²)	19 ft ² (1.8 m ²)	15 ft ² (1.4 m ²)	14 ft ² (1.3 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	103 ft ² (9.6 m ²)	55 ft ² (5.1 m ²)	39 ft ² (3.6 m ²)	31 ft ² (2.9 m ²)	23 ft ² (2.1 m ²)	19 ft ² (1.8 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	152 ft ² (14.1 m ²)	79 ft ² (7.3 m ²)	55 ft ² (5.1 m ²)	43 ft ² (4 m ²)	31 ft ² (2.9 m ²)	25 ft ² (2.3 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	213 ft ² (19.8 m ²)	110 ft ² (10.2 m ²)	75 ft ² (7.0 m ²)	58 ft ² (5.4 m ²)	41 ft ² (3.8 m ²)	32 ft ² (3.0 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	298 ft ² (27.7 m ²)	152 ft ² (14.1 m ²)	103 ft ² (9.6 m ²)	79 ft ² (7.4 m ²)	55 ft ² (5.1 m ²)	43 ft ² (4.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	263 ft ² (24.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.5 m ²)	69 ft ² (6.4 m ²)	47 ft ² (4.4 m ²)	37 ft ² (3.4 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	393 ft ² (36.5 m ²)	199 ft ² (18.5 m ²)	134 ft ² (12.4 m ²)	101 ft ² (9.4 m ²)	69 ft ² (6.4 m ²)	53 ft ² (4.9 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	523 ft ² (48.6 m ²)	263 ft ² (24.4 m ²)	177 ft ² (16.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.5 m ²)	69 ft ² (6.4 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	588 ft ² (54.6 m ²)	296 ft ² (27.5 m ²)	199 ft ² (18.5 m ²)	150 ft ² (13.9 m ²)	101 ft ² (9.4 m ²)	77 ft ² (7.2 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	653 ft ² (60.7 m ²)	328 ft ² (30.5 m ²)	220 ft ² (20.4 m ²)	166 ft ² (15.4 m ²)	112 ft ² (10.4 m ²)	85 ft ² (7.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	782 ft ² (72.6 m ²)	393 ft ² (36.5 m ²)	263 ft ² (24.4 m ²)	199 ft ² (18.5 m ²)	134 ft ² (12.4 m ²)	101 ft ² (9.4 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	315 ft ² (29.3 m ²)	160 ft ² (14.8 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)	56 ft ² (5.2 m ²)	43 ft ² (4.0 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	523 ft ² (48.6 m ²)	263 ft ² (24.5 m ²)	177 ft ² (16.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.4 m ²)	69 ft ² (6.4 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	338 ft ² (31.4 m ²)	171 ft ² (15.9 m ²)	115 ft ² (10.7 m ²)	87 ft ² (8.1 m ²)	60 ft ² (5.6 m ²)	46 ft ² (4.3 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	471 ft ² (43.8 m ²)	238 ft ² (22.1 m ²)	160 ft ² (14.9 m ²)	121 ft ² (11.2 m ²)	82 ft ² (7.6 m ²)	62 ft ² (5.8 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	627 ft ² (58.2 m ²)	315 ft ² (29.3 m ²)	212 ft ² (19.7 m ²)	160 ft ² (14.9 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)

Coverage*

TILE SIZE	SQUARE FOOT COVERAGE PER 1 QUART PAIL (SQUARE METER COVERAGE PER .946 L)					
	JOINT WIDTH					
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	14 ft ² (1.3 m ²)	8 ft ² (0.7 m ²)	6 ft ² (0.5 m ²)	5 ft ² (0.4 m ²)	4 ft ² (0.4 m ²)	3 ft ² (0.3 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	26 ft ² (2.4 m ²)	14 ft ² (1.3 m ²)	10 ft ² (0.9 m ²)	8 ft ² (0.7 m ²)	6 ft ² (0.5 m ²)	5 ft ² (0.4 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	38 ft ² (3.5 m ²)	20 ft ² (1.8 m ²)	13.8 ft ² (1.3 m ²)	10.8 ft ² (1 m ²)	7.8 ft ² (0.7 m ²)	6.3 ft ² (0.6 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	53 ft ² (4.9 m ²)	27 ft ² (2.5 m ²)	19 ft ² (1.7 m ²)	14 ft ² (1.3 m ²)	10 ft ² (0.9 m ²)	8 ft ² (0.7 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	74 ft ² (6.9 m ²)	38 ft ² (3.5 m ²)	26 ft ² (2.4 m ²)	20 ft ² (1.8 m ²)	14 ft ² (1.3 m ²)	11 ft ² (1 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	66 ft ² (6.1 m ²)	34 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)	12 ft ² (1.1 m ²)	9 ft ² (0.9 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	98 ft ² (9.1 m ²)	50 ft ² (4.6 m ²)	33 ft ² (3.1 m ²)	25 ft ² (2.4 m ²)	17 ft ² (1.6 m ²)	13 ft ² (1.2 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	131 ft ² (12.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	147 ft ² (13.7 m ²)	74 ft ² (6.9 m ²)	50 ft ² (4.6 m ²)	38 ft ² (3.5 m ²)	25 ft ² (2.4 m ²)	19 ft ² (1.8 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	163 ft ² (15 m ²)	82 ft ² (7.6 m ²)	55 ft ² (5.1 m ²)	42 ft ² (3.9 m ²)	28 ft ² (2.6 m ²)	21 ft ² (2 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	196 ft ² (18 m ²)	98 ft ² (9.1 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)	34 ft ² (3.1 m ²)	25 ft ² (2.3 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	79 ft ² (7.3 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	20 ft ² (1.9 m ²)	14 ft ² (1.3 m ²)	11 ft ² (1 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	131 ft ² (12.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	85 ft ² (7.9 m ²)	43 ft ² (4 m ²)	29 ft ² (2.7 m ²)	22 ft ² (2 m ²)	15 ft ² (1.4 m ²)	11.5 ft ² (1.1 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	118 ft ² (10.9 m ²)	60 ft ² (5.5 m ²)	40 ft ² (3.7 m ²)	30 ft ² (2.8 m ²)	21 ft ² (1.9 m ²)	15.5 ft ² (1.4 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	157 ft ² (14.6 m ²)	79 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.79 m ²)	27 ft ² (2.5 m ²)	20.5 ft ² (1.9 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

SimpleFix® Pre-Mixed Adhesive & Grout

Product Description

Ready-to-use product bonds and grouts ceramic floor and wall tile. Crack, shrink and stain resistant. Great for repairs and small jobs. For information on use in larger installations, please call Technical Services.

Key Features

- Ready to use
- No mixing, no mess
- Stain resistant
- Great for repairs
- For joints 1/16" to 3/8" (1.6 mm to 3.75 mm)

Suitable Tile Types

- Bonds and grouts ceramic tile

Suitable Substrates

- For interior use only
- Suitable for wet areas such as tub surrounds and shower walls.
- Concrete
- Plaster, gypsum wallboard (dry areas)
- Cement backerboards
- Exterior grade plywood

Limitations to the Product

- Do not bond tile directly to lightweight concrete, gypsum surfaces, hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, cutback adhesive, metal, fiberglass, plastic or OSB panels. Contact Technical Services.
- Do not use or apply over vinyl flooring or plastic laminates.
- Do not use on shower floors or areas exposed to prolonged water exposure or steam.
- Do not use to install fixtures, stone tile, porcelain, Saltillo pavers or glass tile.
- Do not use to install backerboards to subfloors, over a waterproof membrane or to install heating mats or coils. We recommend using a CUSTOM fortified mortar.
- Do not use more than is necessary to bond tile. If floor is uneven use LevelQuik® or LevelLite® High Performance Self-Leveling Underlayment.



- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

- 1 quart (.946 L) pail
- 1 gallon (3.78 L) pail

Technical Data

Technical Properties Chart

Not available.

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE
USA			
Bright White	TAGWQT	1 quart (.946 L)	Pail
Alabaster	TAGAQT	1 quart (.946 L)	Pail
Bright White	TAGW1-2	1 gallon (3.78 L)	Pail
Alabaster	TAGA1-2	1 gallon (3.78 L)	Pail
CANADA			
Bright White	CTAGWQT	1 quart (.946 L)	Pail
Alabaster	CTAGAQT	1 quart (.946 L)	Pail
Bright White	CTAGW1-2	1 gallon (3.78 L)	Pail
Alabaster	CTAGA1-2	1 gallon (3.78 L)	Pail

Product Maintenance

Clean with a neutral cleaner such as TileLab® Grout & Tile Cleaner

Coverage*

As an Adhesive

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)	
TROWEL SIZE	COVERAGE
3/16" x 5/32" V-Notch (5 x 4 mm) for tile up to 6" x 6" (15 x 15 cm)	40 – 50 sq. ft. (3.7 – 4.6 m ²)
1/4" x 1/4" x 1/4" Square-Notch (6 x 6 x 6 mm) for tile up to 12" x 12" (30 x 30 cm)	25 – 35 sq. ft. (2.3 – 3.3 m ²)
1/4" x 3/8" x 1/4" Square-Notch (6 x 9 x 6 mm) for tile over 12" x 12" (30 x 30 cm)	20 – 25 sq. ft. (1.9 – 2.3 m ²)

*See Coverage and Trowel Guide on page 57.

As a Grout

TILE SIZE	SQUARE FOOT COVERAGE PER QUART (SQUARE METER PER .946 L)			
	JOINT WIDTH			
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)
2" x 2" x 1/4" (50 x 50 x 6)	29 (2.7)	14 (1.3)	8 (.74)	6 (.55)
4 1/4" x 4 1/4" x 1/4" (108 x 108 x 6)	56 (5.2)	34 (3.2)	18 (1.6)	12 (1.1)
8" x 8" x 3/8" (200 x 200 x 9.5)	76 (7)	38 (3.5)	18 (1.6)	12 (1.1)
12" x 12" x 3/8" (300 x 300 x 9.5)	100 (9.3)	57 (5.3)	29 (2.7)	19 (1.8)
16" x 16" x 3/8" (406 x 406 x 9.5)	151 (14)	75 (7)	37 (3.4)	23 (2.1)

TILE SIZE	SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)			
	JOINT WIDTH			
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)
2" x 2" x 1/4" (50 x 50 x 6)	116 (10.7)	58 (5.4)	33 (3.1)	26 (2.4)
4 1/4" x 4 1/4" x 1/4" (108 x 108 x 6)	277 (25.7)	139 (12.9)	73 (6.8)	50 (4.6)
8" x 8" x 3/8" (200 x 200 x 9.5)	304 (28.2)	152 (14.1)	74 (6.9)	50 (4.6)
12" x 12" x 3/8" (300 x 300 x 9.5)	403 (37.4)	228 (21.2)	116 (10.8)	78 (7.2)
16" x 16" x 3/8" (406 x 406 x 9.5)	605 (56.2)	302 (28.1)	149 (13.8)	95 (8.8)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

SimpleFix® Ceramic Tile & Fixture Caulk

Product Description

For caulking around sinks, tubs and showers and where tile meets tile or another surface. Also adheres bath fixtures and loose tile. Do not use to install grab bars. Maximum joint width and depth should not exceed 1/4" (6 mm). Do not use in areas with constant water exposure. For interior use only.

Key Features

- Flexible
- Resists cracking

Suitable Substrates

- Around tubs, showers and sinks
- Bonds bath fixtures and loose tiles

Packaging

5.5 oz. (162.6 ml) tube

Technical Data

Technical Properties Chart

Not available.

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants



Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
USA			
CTFC3815	5.5 oz (162.6 ml)	Bright White, Smooth	Tube
CANADA			
CCTFC3815	5.5 oz (162.6 ml)	Bright White, Smooth	Tube

Product Maintenance

Clean with a neutral cleaner such as TileLab® Grout & Tile Cleaner

Related Products

SimplePrep® PreMixed Floor Patch
SimpleSet® PreMixed ThinSet Mortar
SimpleFix® PreMixed Adhesive & Grout
SimpleGrout® PreMixed Grout

VINYL PSA LVP/LVT & Carpet Tile Pressure Sensitive Adhesive

Product Description

VINYL PSA is an advanced pressure sensitive adhesive designed for the challenges of today's most popular resilient and soft surface flooring. Adding to its versatility, this unique formulation allows it to be used in permanent or releasable applications. VINYL PSA is solvent and glycol free, making it ideal for projects that require low VOC's. The high moisture and pH resistance make this product ideal for even the toughest applications.



Suitable as an adhesive

- LVT-LVP / Luxury Vinyl Tiles and Planks
- Carpet Tile (Vinyl and non-vinyl backed)
- Vinyl sheet goods
- Fiberglass sheet goods
- VCT/Vinyl Composition Tiles

Features/Benefits of Product in the Installation

- Roller or Trowel applied
- Wet or Dry-set installation applications
- Superior Moisture Resistance performance [up to 95% per ASTM]
- Trowel Control Technology - resists roll-up behind trowel
- Low odor, great for occupied environments

Acceptable Substrate Conditions

- RH - 95 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs - situ Probes
- MVER - up to 12 lbs. / ASTM F1869 Moisture Vapor Emission Rate
- pH [Substrate] - up to 12

* Contact Technical Services for test results/readings outside above conditions.

Suitable Substrates

- Concrete (industry approved)
- Cement/epoxy terrazzo
- Plywood and other approved wood substrates
- Cement-based self-leveling underlayment and patching compounds
- Properly prepared primed/sealed gypsum underlayment per ASTM F2419
- Radiant heated floors (temperature should not exceed 85° F)
- Existing well bonded floor coverings
- Epoxy Coatings / Mitigation systems

* All surfaces / substrates above require proper surface preparation

Limitations / Requirements

IMPORTANT NOTE: Finished Flooring limitations and requirements will supersede recommendations of VINYL PSA adhesive. Consult flooring manufacturer for performance data and recommendations.

- For interior use only. Do not use when ambient and/or substrate temperature is below 50° F (10° C) or above 95° F (35° C) or when condensation exists.
- Do not install into/over standing water (existing substrates and/or new concrete).
- Existing adhesive must be removed to an embedded residue with no surface trowel ridges.
- Do not install over treated plywood.
- Concrete pH not to exceed 12, consult flooring manufacture for limitations.
- Do not install when MVER exceeds 12 lbs. per ASTM F1869.
- Do not install when RH/Relative Humidity exceeds 95% per ASTM F2170.

*Not for use as a moisture mitigation system [see CustomTECH™ MVC]

Packaging

4 gal (15.1 L) Pail

Technical Data

Applicable Standards

- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes

- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings / RFCI IP#2 – Recommended Installation Practice for Vinyl Composition Tile (VCT)

Technical Chart

Product Data	Composition	Advanced proprietary multi-polymer blend
	Appearance	Creamy Paste
	Base color	Light yellow
	pH [product]	8.5-9.5
Product Timing	Open/working time – wet set	60 minutes
	Flash time / porous *	15 minutes
	Flash time / non-porous *	30 - 45 minutes
	Working time Dry Set [accepts flooring installation]	24 hours
Service Timing	Dry-Set Installation - Light Traffic	Immediately after installation
	Dry-Set Installation - Full Service / Heavy Rolling	24 hours
	Wet-Set Installation - Light Traffic	Immediately after installation
	Wet-Set Installation - Moderate/Heavy	24 hours
	Wet-Set Installation - Full Service / Heavy Rolling	48 hours
Moisture Data	RH / Relative Humidity	Up to 95%
	Ph [substrate]	up to 12
	MVER	up to 12 lbs.
Storage	Shelf life	2 years – stored in original unopened packaging at 73° F (23° C)
	Jobsite Storage Conditions required	50° F to 90° F (10° C to 32° C)

Environmental and Sustainability	Solvents	None
	Isocyanates	None
	VOCs (Rule #1168 of California's SCAQMD) - Super Compliant Products table https://www.aqmd.gov/home/rulescompliance/compliance/vocs/adhesive-and-sealants	<9 g/L
	*LEED® Credits / MR5 and IEQ 4.1	Regional and low emitting materials
	Red List Free: https://livingfuture.org/declare/declare-about/redlist/	LBC / Living Building Challenge: This product has been verified to be free of any chemicals listed per the most current Red List on the LBC's website.

* Flash Time is required before flooring installation and will vary based on substrate conditions, porosity and jobsite temperatures and conditions.

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.


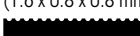
Availability & Cost

USA	VPSAT4	4 gal (15.1 L)	Pail
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Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
Fiberglass Sheet Goods	up to 350 sq. ft. (up to 32.52 M ²)	3/8" (9.5 mm) Nap Lint Free Roller
Porous Floors	170 - 180 sq. ft. (15.79 - 16.72 M ²)	1/16" x 1/16" x 1/16" (1.6 x 1.6 x 1.6 mm) SQ 
Non-Porous Floors	220 - 260 sq. ft. (20.44 - 24.15 M ²)	1/16" x 1/32" x 1/32" (1.6 x 0.8 x 0.8 mm) U 

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

VINYL VCT

Vinyl Composition Tile Adhesive

Product Description

VINYL VCT adhesive is engineered to minimize dry time, while maximizing adjustable grab and slip resistance. This solvent free, low odor adhesive is ideally suited for applications where VOC's are of concern. CUSTOM's thin spread adhesive dries clear, keeping layout lines visible during installation. VINYL VCT is recommended for installation over young concrete slabs with moisture vapor emission rates (MVERs) up to 8 lbs. per 1,000 sq. ft. per 24 hours (452 µg/s per second m²) and up to 95% RH, per Relative Humidity in Concrete Floor Slabs using in situ Probes/ASTM F2170.



Suitable as an adhesive

- Vinyl Composition Tiles [including Large Format]
- Vinyl Quartz Tiles
- Vinyl Asphalt Tiles

Features/Benefits of Product in the Installation

- Clear drying formula
- Optimized balance of adjustability and high adhesion grab
- Superior Moisture Resistance performance [up to 95% per ASTM]
- Resists roll-up behind trowel
- Low odor, great for occupied environments

Acceptable Substrate Conditions

- RH – 95 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs
- MVER – up to 8 lbs. / ASTM F1869 Moisture Vapor Emission Rate
- pH [Substrate] – up to 12

* Contact Technical Services for test results/readings outside above conditions.

Suitable Substrates

- Cement-based self-leveling underlayment and patching compounds
- Cement/epoxy terrazzo
- Concrete (industry approved)
- Epoxy Coatings / Mitigation systems CustomTECH[®] MVC[™]
- Existing well bonded floor coverings
- Plywood and other approved wood substrates
- Properly prepared primed/sealed gypsum underlayment per ASTM F2419

- Radiant heated floors (temperature should not exceed 85° F)

* All surfaces / substrates above require proper surface preparation

Limitations / Requirements

IMPORTANT NOTE: Finished Flooring limitations and requirements will supersede recommendations of VINYL VCT adhesive. Consult flooring manufacturer for performance data and recommendations.

- For interior use only. Do not use when ambient and/or substrate temperature is below 50° F (10° C) or above 95° F (35° C) or when condensation exists.
- Do Not install into/over standing water on new concrete
- Do Not use to install solid vinyl, vinyl backed and non-porous floor finishes.
- Existing adhesive must be removed to an embedded residue with no surface trowel ridges. Refer to Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings / RFCI IP#2 – Recommended Installation Practice for Vinyl Composition Tile (VCT).
- Do not install over treated plywood
- Concrete pH not to exceed 10, consult flooring manufacture for limitations
- Do not install when MVER exceeds 8 lbs. per ASTM F1869
- Do not install when RH/Relative Humidity exceeds 95% per ASTM F2170

*Not for use as a moisture mitigation system [see CustomTECH MVC]

Packaging

4 gal (15.1 L) Pail

Technical Data

Applicable Standards

- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings / RFCI IP#2 – Recommended Installation Practice for Vinyl Composition Tile (VCT)

Technical Chart

Product Data	Composition	Advanced proprietary multi-polymer blend
	Appearance	Creamy Paste
	Base color	Light yellow
	pH [product]	8.5-9.5
Product Timing	Open/working time – wet set	60 minutes
	Flash time / porous *	15 minutes
	Flash time / non-porous *	30 - 45 minutes
	Working time Dry Set [accepts flooring installation]	24 hours
Service Timing	Light Traffic	Immediately after installation
	Moderate/Heavy	24 hours
	Full Service/Heavy Rolling	24 hours
Moisture Data	RH / Relative Humidity	Up to 95%
	MVER	up to 8 lbs.
Storage	Shelf life	2 years – stored in original unopened packaging at 73° F (23° C)
	Jobsite Storage Conditions required	50° F to 90° F (10° C to 32° C)

Environmental and Sustainability	Solvents	None
	Isocyanates	None
	VOCs (Rule #1168 of California's SCAQMD) - Super Compliant Products table https://www.aqmd.gov/home/rulescompliance/compliance/vocs/adhesive-and-sealants	<20 g/L
	*LEED® Credits / MR5 and IEQ 4.1	Regional and low emitting materials
	Red List Free: https://livingfuture.org/declare/declare-about/redlist/	LBC / Living Building Challenge: This product has been verified to be free of any chemicals listed per the most current Red List on the LBC's website.

* Flash Time is required before flooring installation and will vary based on substrate conditions, porosity and jobsite temperatures and conditions.

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.


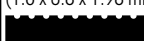
Availability & Cost

USA	VPVCTT4	4 gal (15.1 L)	Pail
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Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
Porous Floors	220 - 260 sq. ft. (20.44 - 24.15 M ²)	1/16" x 1/32" x 1/32" (1.6 x 0.8 x 0.8 mm) U 
Non-Porous Floors	300 - 350 sq. ft. (27.87 - 32.52 M ²)	1/16" x 1/32" x 5/64" (1.6 x 0.8 x 1.98 mm) U 

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Wood HP4™

4-In-1 Hybrid Polymer Wood Adhesive

Product Description

Wood HP4 is a hybrid polymer wood-plank adhesive that does the job of four products without the use of isocyanates. Perfect for critical applications, this 4-in-1 product works as an adhesive, concrete moisture barrier, sound reducer and crack suppressant all in one. Wood HP4 delivers excellent ridge retention and superior green grab, all while being easy to trowel.

Suitable as an adhesive

- Engineered Wood Plank & Parquet
- Engineered Bamboo
- Solid Wood Plank

Features/Benefits of Product in the Installation

- 4-in-1 technology reduces install time and eliminates need for multiple products
- No Moisture Testing needed – Moisture Vapor Barrier
- Bridges non-structural cracks up to 1/8"
- Excellent Sound reduction properties
- Superior Early Grab and bond-strength
- Keeps projects moving fast and without worry
- Environmentally responsible – solvent-free and LEED® compliant
- Low odor, great for occupied environments

Acceptable Substrate Conditions

- RH – 100 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs
- See wood flooring manufacture for product limitations and requirements
- pH [Substrate] – up to 14

Suitable Substrates

- Cement-based self-leveling underlayment and patching compounds
- Cement/epoxy terrazzo
- Concrete (industry approved) – at least 14 days old with an appropriate moisture vapor barrier properly installed
- Epoxy Coatings
- Existing well bonded floor coverings
- Plywood and other approved wood substrates



- Properly prepared primed/sealed gypsum underlayment per ASTM F2419
- Radiant heated floors (temperature should not exceed 85° F)

** All surfaces / substrates above require proper surface preparation*

Limitations / Requirements

IMPORTANT NOTE: Finished Flooring limitations and requirements will supersede recommendations of Wood HP4 adhesive. Consult flooring manufacturer for performance data and recommendations.

- For interior use only
- Do not use when ambient and/or substrate temperature is below 50° F (10° C) or above 95° F (35° C) or when condensation exists
- Do Not install into/over standing water
- Not for use with solid vinyl, vinyl backed carpet flooring
- Existing adhesive must be removed to an embedded residue with no surface trowel ridges
- Do not install over treated plywood
- Not for use in areas subject to hydrostatic moisture conditions
- Concrete substrate temperatures must be above dew point/condensation
- Not for use as a moisture mitigation system under any other flooring types [see CustomTECH® MVC™]

Packaging

4 gal (15.1 L) Pail

Technical Data

Applicable Standards

- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E492-16 Standard Test Method for Laboratory Measurement of Impact Sound Transmission
- ASTM E989-18 Standard Classification for Determination of Single-Number Metrics for Impact Noise
- ASTM E90-16 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E413-16 Classification for Rating Sound Insulation
- ASTM E2179-16 Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors
- NWFA / National Wood Flooring Association – Wood Flooring Installation Guidelines
- ICRI / International Concrete Institute

Technical Chart

Product Data	Composition	Advanced proprietary multi-polymer blend
	Appearance	Thick Creamy Paste
	Base color	Off-white
Product Timing	Open/Working time	60 minutes
Service Timing	Installation - Light Traffic	60 minutes
	Installation - Moderate/Heavy	24 hours
	Installation - Full Service/Heavy Rolling	48 hours
Moisture Data	RH / Relative Humidity	Up to 100%

Storage	Shelf life	1 year — stored in original unopened packaging at 73° F (23° C)
	Jobsite Storage Conditions required	50° F to 100° F (4° C to 38° C)
Environmental and Sustainability	Solvents	None
	Isocyanates	None
	VOCs (Rule #1168 of California's SCAQMD) - Super Compliant Products table https://www.aqmd.gov/home/rulescompliance/compliance/vocs/adhesive-and-sealants	<5 g/L
	*LEED® Credits / MR5 and IEQ 4.1	Regional and low emitting materials
	Red List Free: https://livingfuture.org/declare/declare-about/redlist/	LBC / Living Building Challenge: This product has been verified to be free of any chemicals listed per the most current Red List on the LBC's website.
Sound Reduction Ratings - 3/4" Thick Uncoated Pine Wood Flooring Over 6" concrete slab		
Specification	No Suspended Ceiling	Suspended Gypsum Ceiling
ASTM E 492-09 (2016) e1 / E989-18	46 (NGC 7020171)	68 (NGC 7020170_R1)
ASTM E 2179-03 (2016)	17.8 (NGC 7020172)	N/A
Health and Safety	CAUTION WARNING	Irritant, Sensitizer
	Contains	MDI Isocyanate May cause skin and respiratory sensitization.
	Before using product read Safety Data Sheet (SDS).	Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.





Availability & Cost

USA	PHAAT4	4 gal (15.1 L)	Pail
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Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
For Moisture Control, Crack Bridging and Sound Reduction	30 - 35 sq. ft. (2.79 - 3.25 M ²)	Shark Tooth Trowel Clip 1/4" x 3/16" (6.4 x 4.8 mm) 
Wood Parquet	60 - 80 sq. ft. (5.57 - 7.43 M ²)	1/8" x 1/8" x 1/8" (3.2 x 3.2 x 3.2 mm) SQ 
Solid or Engineered Wood plank (Pre-Finished or Unfinished) up to 1/2" (12.7 mm) Thick	45 - 55 sq. ft. (4.18 - 5.11 M ²)	3/16" x 5/32" (4.8 x 4.0 mm) V 
Engineered Wood plank 1/2" to 5/8" (12.7 - 16 mm) Thick	40 - 50 sq. ft. (3.75 - 4.65 M ²)	1/4" x 1/8" x 1/4" (6.4 x 3.2 x 6.4 mm) SQ 

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Wood ENG™

Low VOC Polymer Adhesive

Product Description

Wood ENG is a high bond strength, isocyanate-free adhesive specifically developed for engineered wood plank installations. Projects move quickly using this easy to trowel product with exceptional green grab. Perfect for no-hassle installations, this low VOC adhesive can be used in occupied spaces and is easy to clean with water.

Suitable as an adhesive

- Engineered Wood Plank & Parquet
- Engineered Bamboo

Features/Benefits of Product in the Installation

- Superior bond-strength provides exceptional green grab
- No memory. Plank won't pull away
- Creamy and easy-to-trowel consistency
- Low odor, great for occupied environments
- Easy clean-up with soap & water, keeps projects moving

Acceptable Substrate Conditions

- RH – 75 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs
- pH [Substrate] – up to 12
- Adhesive is suitable for MVER – up to 3lbs. / per ASTM F1869 Moisture Vapor Emission Rate – See wood flooring manufacture for product limitations and requirements
- Contact Technical Services for test results/readings outside above conditions

* Contact Technical Services for test results/readings outside above conditions.

Suitable Substrates

- Concrete (industry approved)
- Cement/epoxy terrazzo
- Plywood and other approved wood substrates should be sound, stable and without excessive deflection
- Cement-based self-leveling underlayment and patching compounds
- Properly prepared primed/sealed gypsum underlayment per ASTM F2419



- Radiant heated floors (temperature should not exceed 85° F)
- Existing well bonded floor coverings
- Epoxy Coatings / Mitigation systems CustomTECH® MVC™

* All surfaces / substrates above require proper surface preparation

Limitations / Requirements

IMPORTANT NOTE: Finished Flooring limitations and requirements will supersede recommendations of Wood ENG adhesive. Consult flooring manufacturer for performance data and recommendations.

- For interior use only
- Do not use when ambient and/or substrate temperature is below 50°F (10° C) or above 95°F (35° C) or when condensation exists
- Not for use with solid vinyl, vinyl backed carpet flooring
- Existing adhesive must be removed to an embedded residue with no surface trowel ridges
- Do not install over treated plywood
- Concrete pH not to exceed 12, consult flooring manufacture for limitations
- Do not install when MVER exceeds 3 lbs. per ASTM F1869
- Not for use in areas subject to hydrostatic moisture conditions
- Concrete substrate temperatures must be above dew point/condensation
- Do not install when RH/Relative Humidity exceeds 75% per ASTM F2170

*Not for use as a moisture mitigation system [see CustomTECH MVC]

Packaging

4 gal (15.1 L) Pail

Technical Data

Applicable Standards

- NWFA / National Wood Flooring Association – Wood Flooring Installation Guidelines
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes
- ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- ICRI / International Concrete Institute

Environmental and Sustainability	Solvents	None
	Isocyanates	None
	VOCs (Rule #1168 of California's SCAQMD) - Super Compliant Products table https://www.aqmd.gov/home/rulescompliance/compliance/vocs/adhesive-and-sealants	<10 g/L
	*LEED® Credits / MR5 and IEQ 4.1	Regional and low emitting materials
Red List Free: https://livingfuture.org/declare/declare-about/redlist/		LBC / Living Building Challenge: This product has been verified to be free of any chemicals listed per the most current Red List on the LBC's website.

Technical Chart

Product Data	Composition	Advanced proprietary multi-polymer blend
	Appearance	Thick Creamy Paste
	Base color	Light yellow
	pH [product]	8.5-9.5
Product Timing	Flash time	15 minutes
	Open/Working time	60 minutes
	Adjusting time	60 - 90 minutes
Service Timing	Installation - Light Traffic	Immediately after installation
	Installation - Moderate/Heavy	24 hours
	Installation - Full Service/Heavy Rolling	48 hours
Moisture Data	RH / Relative Humidity	Up to 75%
	Ph [substrate]	up to 12
	MVER	up to 3 lbs.
Storage	Shelf life	2 years – stored in original unopened packaging at 73° F (23° C)
	Jobsite Storage Conditions required	50° F to 100° F (4° C to 38° C)

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.




Availability & Cost

USA	EWAT4	4 gal (15.1 L)	Pail
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Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
Engineered Wood plank 1/2" to 5/8" (12.7 - 16 mm) Thick	40 - 50 sq. ft. (3.72 - 4.65 M ²)	1/4" x 1/8" x 1/4" (6.4 x 3.2 x 6.4 mm) SQ 
Wood Parquet	60 - 80 sq. ft. (5.57 - 7.43 M ²)	1/8" x 1/8" x 1/8" (3.2 x 3.2 x 3.2 mm) SQ 
Engineered Wood plank up to 1/2" (12.7 mm) Thick	45 - 55 sq. ft. (4.18 - 5.11 M ²)	3/16" x 5/32" (4.8 x 4.0 mm) V 

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Wood UR4™

4-In-1 Urethane Adhesive

Product Description

Wood UR4 is a supreme handling urethane adhesive that does the job of four products, all in one application. Ideal for the most critical jobs, this 4-in-1 product works as an adhesive, concrete moisture control, sound reducer and crack isolation membrane. Additionally, WOOD UR4 is one of the most elastic urethanes on the market, allowing for naturally occurring expansion and contraction of wood.

Suitable as an adhesive

- Solid Wood Plank
- Engineered Wood Plank
- Bamboo (not strand woven)
- Ceramic Tile
- Natural Stone Inlays
- Plywood Panels [for nail down/double bond installations]
- Underlayments [Recycled rubber/cork]

Features/Benefits of Product in the Installation

- 4-in-1 technology reduces install time and eliminates need for multiple products
- Single application moisture barrier and adhesive reduces material and labor costs.
- Sound reduction and crack bridging capabilities for the most challenging applications
- Highly elastic formula allows for expansion and contraction without damaging adhesive

Acceptable Substrate Conditions

- RH - $\leq 90\%$ / ASTM F2170 Relative Humidity in Concrete Floor Slabs
- See wood flooring manufacture for product limitations and requirements
- MVER - ≤ 15 lbs / ASTM F1869 Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- pH [Substrate] - up to 12



Suitable Substrates

- Cement-based self-leveling underlayment and patching compounds
- Cement/epoxy terrazzo
- Concrete (industry approved) - at least 14 days old with an appropriate moisture vapor barrier properly installed under slab
- Epoxy Coatings
- Existing well bonded floor coverings
- Plywood and other approved wood substrates
- Properly prepared primed/sealed gypsum underlayment per ASTM F2419
- Radiant heated floors (temperature should not exceed 85° F)

** All surfaces / substrates above require proper surface preparation*

Limitations / Requirements

IMPORTANT NOTE: Install flooring in areas suitable per wood flooring manufactures written instructions.

- For interior use only
- Do not use when ambient and/or substrate temperature is below 50° F (10° C) or above 95° F (35° C) or when condensation exists
- Do Not install over surfaces with condensation or standing water
- Not for use in areas subject to hydrostatic moisture conditions
- Concrete substrate temperatures must be above dew point/condensation
- Not for use as a moisture mitigation system under any other flooring types [see CustomTECH® MVC]

- Not for use with solid vinyl, vinyl backed carpet flooring
- Existing adhesive must be removed to an embedded residue with no surface trowel ridges
- Do not install over treated plywood
- Do not dilute with water, solvents or any chemicals

Packaging

5 gal (18.9 L) Pail

Technical Data

Applicable Standards

- NWFA / National Wood Flooring Association – Wood Flooring Installation Guidelines
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E492 Standard Test Method for Laboratory Measurement of Impact Sound Transmission
- ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E2179 Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors
- ICRI / International Concrete Institute
- ASTM F2170 Relative Humidity in Concrete Floor Slabs Using in situ Probes
- ASTM F1869 Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- ASTM F2419 Standard Practice of Thick Poured Gypsum Concrete Underlayments and Preparation of the Surface

Technical Chart

Product Data	Composition	100% Moisture Curing Polyurethane
	Appearance	Thick Creamy Paste
	Base color	Tan Brown
Product Timing	Open/Working time	60 minutes
Service Timing	Installation - Light Traffic	4 hours
	Installation - Moderate/Heavy	24 hours
	Installation - Full Service/Heavy Rolling	48 hours
Moisture Data	RH / Relative Humidity	Up to 90%
	MVER/Moisture Vapor Emission Rate	Up to 15 lbs.
Storage	Shelf life	1 year -- stored in original unopened packaging at 73° F (23° C)
	Storage Conditions required	50° F to 100° F (4° C to 38° C)
Environmental and Sustainability	Solvents	Minimal
	VOCs (Rule #1168 of California's SCAQMD) *LEED® Credits / MR5 and IEQ 4.1	<30 g/L Regional and low emitting materials
Health and Safety	CAUTION WARNING	Irritant, Sensitizer
	Contains	MDI Isocyanate May cause skin and respiratory sensitization.
	Before using product read Safety Data Sheet (SDS).	Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.
Sound Reduction Ratings - 3/4" Thick Uncoated Pine Wood Flooring Over 6" concrete slab		
Specification	No Suspended Ceiling	Suspended Gypsum Ceiling
ASTM E 492-09 (2016) e1 / E989-18	47 (NGC 7020167)	68 (NGC 7020169)
ASTM E 2179-03 (2016)	19 (NGC 7020168)	N/A

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

Availability & Cost

USA	UAWAT5	5 gal (18.9 L)	Pail
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Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

CHART BELOW IS FOR INSTALLATIONS THAT ARE FOR ADHESIVE ONLY







SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
Wood Flooring > 5/8" (16 mm) thick	30 - 35 sq. ft. (2.79 - 3.25 M ²)	1/4" x 1/4" x 1/4" (6.4 x 6.4 x 6.4 mm) SQ 
Solid or Engineered Wood from 1/2" to 5/8" (12.7-16 mm) thick	40 - 50 sq. ft. (3.72 - 4.65 M ²)	1/4" x 1/8" x 1/4" (6.4 x 3.2 x 6.4 mm) SQ 
Engineered Wood up to 1/2" (12.7 mm) thick	45 - 55 sq. ft. (4.18 - 5.11 M ²)	3/16" x 5/32" (4.8 x 4.0 mm) V 

CHART BELOW IS FOR INSTALLATIONS THAT REQUIRE SUBFLOOR MOISTURE PROTECTION

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
Wood Flooring up to 3/8" (9.5 mm) Thick	30 - 40 sq. ft. (2.79 - 3.72 M ²)	3/16" x 3/16" (4.8 x 4.8 mm) V 
Wood Flooring > 1/2" (12.7 mm) Thick	30 - 35 sq. ft. (2.79 - 3.25 M ²)	1/4" x 1/4" (6.4 x 6.4 mm) V 
Use For All Installations	30 - 35 sq. ft. (2.79 - 3.25 M ²)	Shark Tooth Trowel Clip 1/4" x 3/16" (6.4 x 4.8 mm) 

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Wood UR™

Professional Urethane Adhesive

Product Description

WOOD UR is a professional grade, low solvent, moisture cured urethane adhesive. This classic formulation has been developed to maximize bond strength and elasticity, while minimizing effort needed to trowel. All of this results in a reliable wood adhesive suited for any variety of job.

Suitable as an adhesive

- Solid Wood Plank
- Engineered Wood Plank
- Bamboo (not strand woven)
- Ceramic Tile
- Natural Stone Inlays
- Plywood Panels [for nail down/double bond installations]
- Underlayments [Recycled rubber/cork]

Features/Benefits of Product in the Installation

- Easy troweling results in faster installation times
- Excellent green grab for trouble-free installations
- Superior elasticity allows for natural expansion and contraction of wood
- Low odor formulation ideal for occupied environments

Acceptable Substrate Conditions

- RH – 80 % / ASTM F2170 Relative Humidity in Concrete Floor Slabs
- pH [Substrate] – up to 12
- Adhesive is suitable for MVER – up to 5 lbs. / per ASTM F1869 Moisture Vapor Emission Rate – See wood flooring manufacture for product limitations and requirements
- Contact Technical Services for test results/readings outside above conditions

Suitable Substrates

- Flooring underlayment and Wood Manufacturer approved substrates
- Cement-based self-leveling underlayment and patching compounds
- Cement/epoxy terrazzo
- Concrete (industry approved) - at least 14 days old with an appropriate moisture vapor barrier properly installed
- Epoxy Coatings
- Existing well bonded floor coverings



- Plywood and other approved wood substrates
- Properly prepared primed/sealed gypsum underlayment per ASTM F2419
- Radiant heated floors (temperature should not exceed 85° F)

** All surfaces / substrates above require proper surface preparation*

Limitations / Requirements

IMPORTANT NOTE: Finished Flooring limitations and requirements will supersede recommendations of WOOD UR adhesive. Consult flooring manufacturer for performance data and recommendations.

- For interior use only
- Do not use when ambient and/or substrate temperature is below 50° F (10° C) or above 95° F (35° C) or when condensation exists
- Do Not install over surfaces with condensation or standing water.
- Not for use in areas subject to hydrostatic moisture conditions
- Concrete substrate temperatures must be above dew point/condensation
- Not for use as a moisture mitigation system under any other flooring types [see CustomTECH® MVC]
- Existing adhesive must be removed to an embedded residue with no surface trowel ridges [For installation of Bamboo flooring – completely remove all adhesive residues]
- Do not install over treated plywood
- Do not dilute with water, solvents or any chemicals.

Packaging

5 gal (18.9 L) Pail

Technical Data

Applicable Standards

- NWFA / National Wood Flooring Association — Wood Flooring Installation Guidelines
- ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E492 Standard Test Method for Laboratory Measurement of Impact Sound Transmission
- ASTM E90 Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements
- ASTM E2179 Standard Test Method for Laboratory Measurement of the Effectiveness of Floor Coverings in Reducing Impact Sound Transmission Through Concrete Floors
- ICRI / International Concrete Institute
- ASTM F2419 Standard Practice of Thick Poured Gypsum Concrete Underlayments and Preparation of the Surface
- ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probe

Technical Chart

Product Data	Composition	100% Moisture Curing Polyurethane
	Appearance	Thick Creamy Paste
	Base color	Dark tan
Product Timing	Open/Working time	60 – 90 minutes
Service Timing	Installation - Light Traffic	4 hours
	Installation - Moderate/Heavy	24 hours
	Installation - Full Service/Heavy Rolling	48 hours
Moisture Data	RH / Relative Humidity	Up to 85%
	MVER/Moisture Vapor Emission Rate	Up to 8 lbs.
Storage	Shelf life	1 year — stored in original unopened packaging at 73° F (23° C)
	Storage Conditions required	50° F to 100° F (4° C to 38° C)

Environmental and Sustainability	Solvents	Minimal
	VOCs (Rule #1168 of California's SCAQMD)	<30 g/L
	*LEED® Credits / MR5 and IEQ 4.1	Regional and low emitting materials
	Red List Free: https://livingfuture.org/declare/declare-about/redlist/	LBC / Living Building Challenge: This product has been verified to be free of any chemicals listed per the most current Red List on the LBC's website.
Health and Safety	CAUTION WARNING	Irritant, Sensitizer
	Contains	MDI Isocyanate May cause skin and respiratory sensitization.
	Before using product read Safety Data Sheet (SDS).	Intentional misuse by deliberate concentration and inhalation of vapors may be harmful or fatal.

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

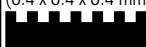


Availability & Cost

USA	UWAT5	5 gal (18.9 L)	Pail
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Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.78 L)		
Wood Flooring > 5/8" (16 mm) Thick	30 - 35 sq. ft. (2.79 - 3.25 M ²)	1/4" x 1/4" x 1/4" (6.4 x 6.4 x 6.4 mm) SQ 
Solid or Engineered Wood 1/2" to 5/8" (12.7 - 16 mm) Thick	40 - 50 sq. ft. (3.72 - 4.65 M ²)	1/4" x 1/8" x 1/4" (6.4 x 3.2 x 6.4 mm) SQ 
Engineered Wood up to 1/2" (12.7 mm) Thick	45 sq. ft. (4.18 M ²)	3/16" x 5/32" (4.8 x 4.0 mm) V 

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Grout Shading

Grout shading is when colored grout dries to its expected color in some areas, a darker color in some areas and varying shades in between. This is most commonly caused by uneven drying of the Portland cement in the grout. Concrete is also made with Portland cement. It is not uncommon for concrete driveways, slabs, etc. to exhibit some discoloration and shading and this is true of grout. This is an accepted fact with concrete, but since grout is primarily used for decorative purposes, shading provides an unwanted look to the installation. Grout shading can be minimized to acceptable levels.

How to Minimize Grout Shading

- Select a color consistent grout such as Prism® SCG, Fusion Pro®, Prism® or CEG.
 - Tile must be securely bonded and allowed a minimum of 24 Hours curing time before grouting. Temperature, humidity and tile size may extend cure time. REFER TO Technical Data Sheet for detailed information. Be sure to remove all spacers.
 - Grout joints should be uniform in depth and width and excess mortar should be removed.
 - Dry-mix grout powder before mixing with water. Mix with proper amount of cool, clean water. Do not add too much water. Keep the water to powder ratio consistent between batches.
 - Allow grout mixture to rest or slake for 10 Minutes after mixing, remix and use. Do not add additional water or admixes once the grout is mixed.
 - Thoroughly dampen joints of absorptive, highly porous tile with clean, cool water but leave no standing water in the joints.
 - Allow grout to become firm in the joints. Remove excess grout and smooth joints using a lightly dampened sponge with small, tight pores. Do not use a "wet" sponge or a sponge with large pores.
- Cover the installation with a non-staining Kraft paper for 72 Hours. Periodically lift the paper and lightly mist the grout with clean, cool water. If cover curing is impractical, the next best option is to periodically mist the installation for 72 Hours.
 - Do not use oil-based materials for polishing the finished tile installation.

How to Correct Shade Variation

- Minor shade variation will tend to disappear over time.
- Acid washing using CUSTOM's TileLab® Sulfamic Acid Cleaner can even out shade variation. (Refer to Sulfamic Acid Cleaner.)
- Grout stains or colorants can also be used. Polyblend® Grout Renew is available in 12 popular shades.
- Although the use of TileLab® Stone Sealer & Enhancer is very effective to darken grout that has uniformly dried too light, it may not be able to even out shade variations. Always test it in a small obscure area before proceeding.

The information in this bulletin is presented in good faith, but no warranty, express or implied, is given nor is freedom from any patent in as much as any assistance furnished by CUSTOM with reference to the safe use and disposal of its products provided without charge. Custom® Building Products assumes no obligation or liability therefore, except to the extent that any such assistance shall be given in good faith.

Hot Weather Grouting Tips

Ideally grout should be installed when the temperature is between 50°F and 100°F (10°C - 38°C), after the bonding mortar has properly cured. While this can be control in many interior installations with modern HVAC systems, it is not the case in exterior projects or those exposed to the elements. Here are some tips to help complete your tile project when the environment does not give you what you need.

When Installing Cement Based Grout

- Polymer-modified grout, such as Polyblend® Plus or Prism®, is formulated to retain moisture and promote proper curing over a wide variety of conditions.
- Keep it cool. Store the bags of grout inside or under shade until they are to be used. Use cool water to mix grout powder. Keep ice on hand to cool down the water if necessary.
- Do not mix the grout with excessive amounts of water or remix with additional water. This will affect the color and cause soft and powdery grout.
- Avoid mid-day grouting in extreme heat. Grout in the early morning or late afternoon when temperatures are cooler. Shade the tile project if possible.
- Dampen the tile with clean, cool water prior to grouting. This prevents porous tile from drawing the moisture out of the grout too rapidly and helps to cool down the tile.
- Cover or damp cure the grout. Cover the installation with 30 lb, non-staining Kraft paper for 72 hours immediately after installation. If left exposed, periodically lightly mist the grout with clean, cool water.

When Installing Epoxy or Single Component Grout

- Heat will accelerate the cure of epoxy and single component grout, store product in a cool place before use.
- Do not spread and fill joints over tile areas that cannot be finished and cleaned in 5 -10 minutes.
- Keep surface lightly damp to prevent skinning over.
- Protect tile surface from direct sunlight and heat while it is curing.

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Prism[®] SCG Ultimate Performance Pre-Mixed Single Component[®] Grout

Product Description

Prism[®] Single-Component Grout (SCG) is a professional grade premixed, efflorescence-free, and crack-resistant sanded grout. Its Single Component[®] formula is ready to use and is the easiest grout to install, regardless of the type of grout or experience level. It is color perfect, highly stain-resistant, and never requires sealing. Prism SCG can be installed on interior and most exterior tile, glass, and natural stone applications on walls, floors, and ceilings on commercial and residential projects. Its technologically advanced formulation provides extended open time and excellent cleanability along with built-in Microban[®] antimicrobial product protection.

Key Features

- Easiest Grout to Spread and Clean
- Color Perfect Crack-Resistant
- Unsurpassed Stain Resistance
- Ready-to-use Single-Component
- Exceeds ANSI A118.19 Pre-Mixed Grout Standard

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6-13 mm)
- Used for floor, wall and ceiling installations
- Interior and exterior applications*
- Commercial and residential applications
- Countertops, backsplashes, tub surrounds, shower walls & floors, and high traffic areas

*See limitations.

Suitable Tile Types

- Impervious Porcelain and glass tile
- Ceramic, mosaic, quarry tile
- Cement & epoxy terrazzo
- Polished natural stone
- Grout-able luxury vinyl tile

Composition of Product

Advanced polymers with inorganic fillers and pigments



Benefits of Product in the Installation

- Excellent stain resistance
- No sealing required
- Ready to use
- Hard, durable grout joints
- No efflorescence Crack resistant
- Microban[®] antimicrobial product protection

Limitations to the Product

- Do not install when ambient or surface temperature is lower than 50°F (10°C) or above 90°F (32°C).
- In service surface temperatures should not exceed 160°F (71°C).
- Not for use in constant submersion (pools, water features), steam rooms or steam showers.
- Not for use over concrete slabs with moisture emissions >5 lbs. or >85% RH.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals (high or low pH), high heat or high pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Some ceramic, glass, metal, mirror, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use.
- Tile or stone with high absorption, surfaces that have porous, rough, textured surfaces, porcelain tile with micropores or heavy textures and mirror tiles should be tested first. These tiles generally require sealing and/or grout release prior to grouting to prevent possible staining.

- Do not use Prism SCG where grout joints widths or depths exceed 1/2" (13 mm) with irregularly shaped or spaced tile or stone, such as pebble stones or where joint widths or depths exceed 1/2" (13 mm).
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate sealant or caulk such as CUSTOM® Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

- All colors available in 1 gallon pails.
- Available in 40 standard colors.

Technical Data

Approvals

Meets ANSI A118.19 and many of the performance characteristics of ANSI A118.7 and A118.3.

Technical Chart

TESTS PER ANSI A118.19	METHOD	RESULTS
Hardness at 28 days	ASTM D 2240 (Shore D)	76
Compressibility (psi grout joint)	CBP Method	3380
Shrinkage	CBP Method	0.013
Stain	CTIOA T-72- MODIFIED	0.5-1
Cleanability	as per 118.3	Pass
Chem Resistance	ASTM C267	Pass
Vertical Joint Sag	as per 118.3	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Complies with all Federal, SCAQMD, and CARB standards for VOC's

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® AquaShield™, Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab Grout & Tile Cleaner.

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA			
#09 Natural Gray	PSCG091-2T	1 gallon (3.78 L)	Pail
#10 Antique White	PSCG101-2T	1 gallon (3.78 L)	Pail
#11 Snow White	PSCG111-2T	1 gallon (3.78 L)	Pail
#19 Pewter	PSCG191-2T	1 gallon (3.78 L)	Pail
#52 Tobacco Brown	PSCG521-2T	1 gallon (3.78 L)	Pail
#59 Saddle Brown	PSCG591-2T	1 gallon (3.78 L)	Pail
#60 Charcoal	PSCG601-2T	1 gallon (3.78 L)	Pail
#95 Sable Brown	PSCG951-2T	1 gallon (3.78 L)	Pail
#105 Earth	PSCG1051-2T	1 gallon (3.78 L)	Pail
#115 Platinum	PSCG1151-2T	1 gallon (3.78 L)	Pail
#122 Linen	PSCG1221-2T	1 gallon (3.78 L)	Pail
#135 Mushroom	PSCG1351-2T	1 gallon (3.78 L)	Pail
#145 Light Smoke	PSCG1451-2T	1 gallon (3.78 L)	Pail
#165 Delorean Gray	PSCG1651-2T	1 gallon (3.78 L)	Pail
#172 Urban Putty	PSCG1721-2T	1 gallon (3.78 L)	Pail
#183 Chateau	PSCG1831-2T	1 gallon (3.78 L)	Pail
#185 New Taupe	PSCG1851-2T	1 gallon (3.78 L)	Pail
#186 Khaki	PSCG1861-2T	1 gallon (3.78 L)	Pail
#333 Alabaster	PSCG3331-2T	1 gallon (3.78 L)	Pail
#335 Winter Gray	PSCG3351-2T	1 gallon (3.78 L)	Pail
#370 Dove Gray	PSCG3701-2T	1 gallon (3.78 L)	Pail
#380 Haystack	PSCG3801-2T	1 gallon (3.78 L)	Pail
#381 Bright White	PSCG3811-2T	1 gallon (3.78 L)	Pail
#382 Bone	PSCG3821-2T	1 gallon (3.78 L)	Pail
#386 Oyster Gray	PSCG3861-2T	1 gallon (3.78 L)	Pail

COLOR	ITEM CODE	SIZE	PKG
USA			
#540 Truffle	PSCG5401-2T	1 gallon (3.78 L)	Pail
#541 Walnut	PSCG5411-2T	1 gallon (3.78 L)	Pail
#542 Graystone	PSCG5421-2T	1 gallon (3.78 L)	Pail
#543 Driftwood	PSCG5431-2T	1 gallon (3.78 L)	Pail
#544 Rolling Fog	PSCG5441-2T	1 gallon (3.78 L)	Pail
#545 Bleached Wood	PSCG5451-2T	1 gallon (3.78 L)	Pail
#546 Cape Gray	PSCG5461-2T	1 gallon (3.78 L)	Pail
#640 Arctic White	PSCG6401-2T	1 gallon (3.78 L)	Pail
#641 Cool White	PSCG6411-2T	1 gallon (3.78 L)	Pail
#642 Ash	PSCG6421-2T	1 gallon (3.78 L)	Pail
#643 Warm Gray	PSCG6431-2T	1 gallon (3.78 L)	Pail
#644 Shadow	PSCG6441-2T	1 gallon (3.78 L)	Pail
#645 Steel Blue	PSCG6451-2T	1 gallon (3.78 L)	Pail
#646 Coffee Bean	PSCG6461-2T	1 gallon (3.78 L)	Pail
#647 Brown Velvet	PSCG6471-2T	1 gallon (3.78 L)	Pail

Coverage*

TILE SIZE Width x Length x Thickness	SQUARE FOOT COVERAGE PER 1 GALLON PAIL (SQUARE METER COVERAGE PER 3.78 L)					
	JOINT WIDTH					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	55 ft ² (5.1 m ²)	31 ft ² (2.9 m ²)	23 ft ² (2.1 m ²)	19 ft ² (1.8 m ²)	15 ft ² (1.4 m ²)	14 ft ² (1.3 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	103 ft ² (9.6 m ²)	55 ft ² (5.1 m ²)	39 ft ² (3.6 m ²)	31 ft ² (2.9 m ²)	23 ft ² (2.1 m ²)	19 ft ² (1.8 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	152 ft ² (14.1 m ²)	79 ft ² (7.3 m ²)	55 ft ² (5.1 m ²)	43 ft ² (4 m ²)	31 ft ² (2.9 m ²)	25 ft ² (2.3 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	213 ft ² (19.8 m ²)	110 ft ² (10.2 m ²)	75 ft ² (7.0 m ²)	58 ft ² (5.4 m ²)	41 ft ² (3.8 m ²)	32 ft ² (3.0 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	298 ft ² (27.7 m ²)	152 ft ² (14.1 m ²)	103 ft ² (9.6 m ²)	79 ft ² (7.4 m ²)	55 ft ² (5.1 m ²)	43 ft ² (4.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	263 ft ² (24.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.5 m ²)	69 ft ² (6.4 m ²)	47 ft ² (4.4 m ²)	37 ft ² (3.4 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	393 ft ² (36.5 m ²)	199 ft ² (18.5 m ²)	134 ft ² (12.4 m ²)	101 ft ² (9.4 m ²)	69 ft ² (6.4 m ²)	53 ft ² (4.9 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	523 ft ² (48.6 m ²)	263 ft ² (24.4 m ²)	177 ft ² (16.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.5 m ²)	69 ft ² (6.4 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	588 ft ² (54.6 m ²)	296 ft ² (27.5 m ²)	199 ft ² (18.5 m ²)	150 ft ² (13.9 m ²)	101 ft ² (9.4 m ²)	77 ft ² (7.2 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	653 ft ² (60.7 m ²)	328 ft ² (30.5 m ²)	220 ft ² (20.4 m ²)	166 ft ² (15.4 m ²)	112 ft ² (10.4 m ²)	85 ft ² (7.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	782 ft ² (72.6 m ²)	393 ft ² (36.5 m ²)	263 ft ² (24.4 m ²)	199 ft ² (18.5 m ²)	134 ft ² (12.4 m ²)	101 ft ² (9.4 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	315 ft ² (29.3 m ²)	160 ft ² (14.8 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)	56 ft ² (5.2 m ²)	43 ft ² (4.0 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	523 ft ² (48.6 m ²)	263 ft ² (24.5 m ²)	177 ft ² (16.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.4 m ²)	69 ft ² (6.4 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	338 ft ² (31.4 m ²)	171 ft ² (15.9 m ²)	115 ft ² (10.7 m ²)	87 ft ² (8.1 m ²)	60 ft ² (5.6 m ²)	46 ft ² (4.3 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	471 ft ² (43.8 m ²)	238 ft ² (22.1 m ²)	160 ft ² (14.9 m ²)	121 ft ² (11.2 m ²)	82 ft ² (7.6 m ²)	62 ft ² (5.8 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	627 ft ² (58.2 m ²)	315 ft ² (29.3 m ²)	212 ft ² (19.7 m ²)	160 ft ² (14.9 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Fusion Pro[®] Single Component[®] Grout

Product Description

Fusion Pro[®] the stain proof grout.* This professional grade grout features unsurpassed stain resistance with no sealing required. Its Single Component[®] formula is ready to use, color consistent and easy to spread and clean. Fusion Pro can be installed in commercial and residential environments, interiors and exteriors, and on walls and floors. Its patented formulation can be applied on all tiles and has built-in Microban[®] antimicrobial product protection. U.S. Patents 8,349,068, 8,357,238, 8,876,966.

*Fusion Pro will not effloresce, mottle, fade or color shade within the grout joint when installed per manufacturer's directions. Cured Fusion Pro will not stain when exposed to most common, non-corrosive household goods and cleaning agents. All spills should be immediately cleaned from the grout.

LIMITED AVAILABILITY.

Key Features

- Stain proof and color perfect
- Unsurpassed stain resistance
- Never needs sealing
- Easy to spread and clean
- Ultimate color consistency

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6 - 13 mm)
- May be used for both floor and wall installations
- Exterior and interior applications.
- Commercial and residential applications
- Countertops, tub surrounds, showers and high traffic areas

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Polished, natural stone
- Groutable luxury vinyl tile



Composition of Product

Advanced polymers with inorganic fillers and pigments.

Benefits of Product in the Installation

- Stain resistant grout
- No sealing required
- Ready to use
- Hard, durable grout joints
- No efflorescence
- Crack resistant
- Microban[®] antimicrobial product protection

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or above 90°F (32°C).
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. (Refer to website Technical Data Sheets for complete information)
- Do not use Fusion Pro with irregularly shaped or spaced tile or stone, such as pebble stones, where joint widths or depths exceed 1/2" (13 mm).

- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Not for use over concrete slabs with high moisture emission rates.
- Not for use in steam rooms or submerged applications (swimming pools, spas, water features and fountains).
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA			
#09 Natural Gray	FP091-2T	1 gallon (3.78 L)	Pail
#10 Antique White	FP101-2T	1 gallon (3.78 L)	Pail
#11 Snow White	FP111-2T	1 gallon (3.78 L)	Pail
#19 Pewter	FP191-2T	1 gallon (3.78 L)	Pail
#52 Tobacco Brown	FP521-2T	1 gallon (3.78 L)	Pail
#59 Saddle Brown	FP591-2T	1 gallon (3.78 L)	Pail
#60 Charcoal	FP601-2T	1 gallon (3.78 L)	Pail
#95 Sable Brown	FP951-2T	1 gallon (3.78 L)	Pail
#105 Earth	FP1051-2T	1 gallon (3.78 L)	Pail
#115 Platinum	FP1151-2T	1 gallon (3.78 L)	Pail
#122 Linen	FP1221-2T	1 gallon (3.78 L)	Pail
#135 Mushroom	FP1351-2T	1 gallon (3.78 L)	Pail
#145 Light Smoke	FP1451-2T	1 gallon (3.78 L)	Pail
#165 Delorean Gray	FP1651-2T	1 gallon (3.78 L)	Pail
#172 Urban Putty	FP1721-2T	1 gallon (3.78 L)	Pail
#183 Chateau	FP1831-2T	1 gallon (3.78 L)	Pail
#185 New Taupe	FP1851-2T	1 gallon (3.78 L)	Pail
#186 Khaki	FP1861-2T	1 gallon (3.78 L)	Pail
#333 Alabaster	FP3331-2T	1 gallon (3.78 L)	Pail
#335 Winter Gray	FP3351-2T	1 gallon (3.78 L)	Pail
#370 Dove Gray	FP3701-2T	1 gallon (3.78 L)	Pail

Packaging

All colors available in 1 gallon (3.78 L) pails
 Select colors available in 1 quart (946 ml) pails
 Available in 40 standard colors

Technical Data

Approvals

Meets the performance characteristics of A118.7 and A118.3.

Technical Chart

TESTS	METHOD	RESULTS
Hardness at 28 days	ASTM D 2240 (Shore D)	76
Compressibility (psi grout joint)	CBP Method	3380
Shrinkage	CBP Method	0.013
Stain	CTIOA T-72- MODIFIED	0.5-1
Cleanability	as per 118.3	Pass
Chem Resistance	ASTM C267	Pass
Vertical Joint Sag	as per 118.3	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

COLOR	ITEM CODE	SIZE	PKG
USA			
#380 Haystack	FP3801-2T	1 gallon (3.78 L)	Pail
#381 Bright White	FP3811-2T	1 gallon (3.78 L)	Pail
#382 Bone	FP3821-2T	1 gallon (3.78 L)	Pail
#386 Oyster Gray	FP3861-2T	1 gallon (3.78 L)	Pail
#540 Truffle	FP5401-2T	1 gallon (3.78 L)	Pail
#541 Walnut	FP5411-2T	1 gallon (3.78 L)	Pail
#542 Graystone	FP5421-2T	1 gallon (3.78 L)	Pail
#543 Driftwood	FP5431-2T	1 gallon (3.78 L)	Pail
#544 Rolling Fog	FP5441-2T	1 gallon (3.78 L)	Pail
#545 Bleached Wood	FP5451-2T	1 gallon (3.78 L)	Pail
#546 Cape Gray	FP5461-2T	1 gallon (3.78 L)	Pail
#640 Arctic White	FP6401-2T	1 gallon (3.78 L)	Pail
#641 Cool White	FP6411-2T	1 gallon (3.78 L)	Pail
#642 Ash	FP6421-2T	1 gallon (3.78 L)	Pail
#643 Warm Gray	FP6431-2T	1 gallon (3.78 L)	Pail
#644 Shadow	FP6441-2T	1 gallon (3.78 L)	Pail
#645 Steel Blue	FP6451-2T	1 gallon (3.78 L)	Pail
#646 Coffee Bean	FP6461-2T	1 gallon (3.78 L)	Pail
#647 Brown Velvet	FP6471-2T	1 gallon (3.78 L)	Pail

COLOR	ITEM CODE	SIZE	PKG
USA			
#09 Natural Gray	FP09QT-4	1 quart (946 ml)	Pail
#19 Pewter	FP19QT-4	1 quart (946 ml)	Pail
#60 Charcoal	FP60QT-4	1 quart (946 ml)	Pail
#115 Platinum	FP115QT-4	1 quart (946 ml)	Pail
#165 Delorean Gray	FP165QT-4	1 quart (946 ml)	Pail
#380 Haystack	FP380QT-4	1 quart (946 ml)	Pail
#381 Bright White	FP381QT-4	1 quart (946 ml)	Pail
#382 Bone	FP382QT-4	1 quart (946 ml)	Pail
#544 Rolling Fog	FP544QT-4	1 quart (946 ml)	Pail
#640 Arctic White	FP640QT-4	1 quart (946 ml)	Pail
#646 Coffee Bean	FP646QT-4	1 quart (946 ml)	Pail
#647 Brown Velvet	FP647QT-4	1 quart (946 ml)	Pail

COLOR	ITEM CODE	SIZE	PKG
CANADA			
#09 Natural Gray	CFP091-2T	1 gallon (3.78 L)	Pail
#10 Antique White	CFP101-2T	1 gallon (3.78 L)	Pail
#11 Snow White	CFP111-2T	1 gallon (3.78 L)	Pail
#19 Pewter	CFP191-2T	1 gallon (3.78 L)	Pail
#52 Tobacco Brown	CFP521-2T	1 gallon (3.78 L)	Pail
#59 Saddle Brown	CFP591-2T	1 gallon (3.78 L)	Pail
#60 Charcoal	CFP601-2T	1 gallon (3.78 L)	Pail
#95 Sable Brown	CFP951-2T	1 gallon (3.78 L)	Pail
#105 Earth	CFP1051-2T	1 gallon (3.78 L)	Pail
#115 Platinum	CFP1151-2T	1 gallon (3.78 L)	Pail

COLOR	ITEM CODE	SIZE	PKG
CANADA			
#122 Linen	CFP1221-2T	1 gallon (3.78 L)	Pail
#135 Mushroom	CFP1351-2T	1 gallon (3.78 L)	Pail
#145 Light Smoke	CFP1451-2T	1 gallon (3.78 L)	Pail
#165 Delorean Gray	CFP1651-2T	1 gallon (3.78 L)	Pail
#172 Urban Putty	CFP1721-2T	1 gallon (3.78 L)	Pail
#183 Chateau	CFP1831-2T	1 gallon (3.78 L)	Pail
#185 New Taupe	CFP1851-2T	1 gallon (3.78 L)	Pail
#186 Khaki	CFP1861-2T	1 gallon (3.78 L)	Pail
#333 Alabaster	CFP3331-2T	1 gallon (3.78 L)	Pail
#335 Winter Gray	CFP3351-2T	1 gallon (3.78 L)	Pail
#370 Dove Gray	CFP3701-2T	1 gallon (3.78 L)	Pail
#380 Haystack	CFP3801-2T	1 gallon (3.78 L)	Pail
#381 Bright White	CFP3811-2T	1 gallon (3.78 L)	Pail
#382 Bone	CFP3821-2T	1 gallon (3.78 L)	Pail
#386 Oyster Gray	CFP3861-2T	1 gallon (3.78 L)	Pail
#540 Truffle	CFP5401-2T	1 gallon (3.78 L)	Pail
#541 Walnut	CFP5411-2T	1 gallon (3.78 L)	Pail
#542 Graystone	CFP5421-2T	1 gallon (3.78 L)	Pail
#543 Driftwood	CFP5431-2T	1 gallon (3.78 L)	Pail
#544 Rolling Fog	CFP5441-2T	1 gallon (3.78 L)	Pail
#545 Bleached Wood	CFP5451-2T	1 gallon (3.78 L)	Pail
#546 Cape Gray	CFP5461-2T	1 gallon (3.78 L)	Pail
#640 Arctic White	CFP6401-2T	1 gallon (3.78 L)	Pail
#641 Cool White	CFP6411-2T	1 gallon (3.78 L)	Pail
#642 Ash	CFP6421-2T	1 gallon (3.78 L)	Pail
#643 Warm Gray	CFP6431-2T	1 gallon (3.78 L)	Pail
#644 Shadow	CFP6441-2T	1 gallon (3.78 L)	Pail

COLOR	ITEM CODE	SIZE	PKG
CANADA			
#645 Steel Blue	CFP6451-2T	1 gallon (3.78 L)	Pail
#646 Coffee Bean	CFP6461-2T	1 gallon (3.78 L)	Pail
#647 Brown Velvet	CFP6471-2T	1 gallon (3.78 L)	Pail

COLOR	ITEM CODE	SIZE	PKG
Canada			
#09 Natural Gray	CFP09QT-4	1 quart (946 ml)	Pail
#10 Antique White	CFP10QT-4	1 quart (946 ml)	Pail
#11 Snow White	CFP11QT-4	1 quart (946 ml)	Pail
#19 Pewter	CFP19QT-4	1 quart (946 ml)	Pail
#52 Tobacco Brown	CFP52QT-4	1 quart (946 ml)	Pail
#60 Charcoal	CFP60QT-4	1 quart (946 ml)	Pail
#105 Earth	CFP105QT-4	1 quart (946 ml)	Pail
#115 Platinum	CFP115QT-4	1 quart (946 ml)	Pail
#122 Linen	CFP122QT-4	1 quart (946 ml)	Pail
#145 Light Smoke	CFP145QT-4	1 quart (946 ml)	Pail
#165 Delorean Gray	CFP165QT-4	1 quart (946 ml)	Pail
#185 New Taupe	CFP185QT-4	1 quart (946 ml)	Pail
#335 Winter Gray	CFP335QT-4	1 quart (946 ml)	Pail
#380 Haystack	CFP380QT-4	1 quart (946 ml)	Pail
#381 Bright White	CFP381QT-4	1 quart (946 ml)	Pail
#382 Bone	CFP382QT-4	1 quart (946 ml)	Pail
#386 Oyster Gray	CFP386QT-4	1 quart (946 ml)	Pail
#540 Truffle	CFP540QT-4	1 quart (946 ml)	Pail

Coverage*

TILE SIZE	SQUARE FOOT COVERAGE PER 1 GALLON PAIL (SQUARE METER COVERAGE PER 3.78 L)					
	JOINT WIDTH					
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	55 ft ² (5.1 m ²)	31 ft ² (2.9 m ²)	23 ft ² (2.1 m ²)	19 ft ² (1.8 m ²)	15 ft ² (1.4 m ²)	14 ft ² (1.3 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	103 ft ² (9.6 m ²)	55 ft ² (5.1 m ²)	39 ft ² (3.6 m ²)	31 ft ² (2.9 m ²)	23 ft ² (2.1 m ²)	19 ft ² (1.8 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	152 ft ² (14.1 m ²)	79 ft ² (7.3 m ²)	55 ft ² (5.1 m ²)	43 ft ² (4 m ²)	31 ft ² (2.9 m ²)	25 ft ² (2.3 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	213 ft ² (19.8 m ²)	110 ft ² (10.2 m ²)	75 ft ² (7.0 m ²)	58 ft ² (5.4 m ²)	41 ft ² (3.8 m ²)	32 ft ² (3.0 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	298 ft ² (27.7 m ²)	152 ft ² (14.1 m ²)	103 ft ² (9.6 m ²)	79 ft ² (7.4 m ²)	55 ft ² (5.1 m ²)	43 ft ² (4.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	263 ft ² (24.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.5 m ²)	69 ft ² (6.4 m ²)	47 ft ² (4.4 m ²)	37 ft ² (3.4 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	393 ft ² (36.5 m ²)	199 ft ² (18.5 m ²)	134 ft ² (12.4 m ²)	101 ft ² (9.4 m ²)	69 ft ² (6.4 m ²)	53 ft ² (4.9 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	523 ft ² (48.6 m ²)	263 ft ² (24.4 m ²)	177 ft ² (16.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.5 m ²)	69 ft ² (6.4 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	588 ft ² (54.6 m ²)	296 ft ² (27.5 m ²)	199 ft ² (18.5 m ²)	150 ft ² (13.9 m ²)	101 ft ² (9.4 m ²)	77 ft ² (7.2 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	653 ft ² (60.7 m ²)	328 ft ² (30.5 m ²)	220 ft ² (20.4 m ²)	166 ft ² (15.4 m ²)	112 ft ² (10.4 m ²)	85 ft ² (7.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	782 ft ² (72.6 m ²)	393 ft ² (36.5 m ²)	263 ft ² (24.4 m ²)	199 ft ² (18.5 m ²)	134 ft ² (12.4 m ²)	101 ft ² (9.4 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	315 ft ² (29.3 m ²)	160 ft ² (14.8 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)	56 ft ² (5.2 m ²)	43 ft ² (4.0 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	523 ft ² (48.6 m ²)	263 ft ² (24.5 m ²)	177 ft ² (16.4 m ²)	134 ft ² (12.4 m ²)	91 ft ² (8.4 m ²)	69 ft ² (6.4 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	338 ft ² (31.4 m ²)	171 ft ² (15.9 m ²)	115 ft ² (10.7 m ²)	87 ft ² (8.1 m ²)	60 ft ² (5.6 m ²)	46 ft ² (4.3 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	471 ft ² (43.8 m ²)	238 ft ² (22.1 m ²)	160 ft ² (14.9 m ²)	121 ft ² (11.2 m ²)	82 ft ² (7.6 m ²)	62 ft ² (5.8 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	627 ft ² (58.2 m ²)	315 ft ² (29.3 m ²)	212 ft ² (19.7 m ²)	160 ft ² (14.9 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Coverage*

TILE SIZE Width x Length x Thickness	SQUARE FOOT COVERAGE PER 1 QUART PAIL (SQUARE METER COVERAGE PER 946 ML)					
	JOINT WIDTH					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	14 ft ² (1.3 m ²)	8 ft ² (0.7 m ²)	6 ft ² (0.5 m ²)	5 ft ² (0.4 m ²)	4 ft ² (0.4 m ²)	3 ft ² (0.3 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	26 ft ² (2.4 m ²)	14 ft ² (1.3 m ²)	10 ft ² (0.9 m ²)	8 ft ² (0.7 m ²)	6 ft ² (0.5 m ²)	5 ft ² (0.4 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	38 ft ² (3.5 m ²)	20 ft ² (1.8 m ²)	13.8 ft ² (1.3 m ²)	10.8 ft ² (1 m ²)	7.8 ft ² (0.7 m ²)	6.3 ft ² (0.6 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	53 ft ² (4.9 m ²)	27 ft ² (2.5 m ²)	19 ft ² (1.7 m ²)	14 ft ² (1.3 m ²)	10 ft ² (0.9 m ²)	8 ft ² (0.7 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	74 ft ² (6.9 m ²)	38 ft ² (3.5 m ²)	26 ft ² (2.4 m ²)	20 ft ² (1.8 m ²)	14 ft ² (1.3 m ²)	11 ft ² (1 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	66 ft ² (6.1 m ²)	34 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)	12 ft ² (1.1 m ²)	9 ft ² (0.9 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	98 ft ² (9.1 m ²)	50 ft ² (4.6 m ²)	33 ft ² (3.1 m ²)	25 ft ² (2.4 m ²)	17 ft ² (1.6 m ²)	13 ft ² (1.2 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	131 ft ² (12.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (8.5 m ²)	17 ft ² (1.6 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	147 ft ² (13.7 m ²)	74 ft ² (6.9 m ²)	50 ft ² (4.6 m ²)	38 ft ² (3.5 m ²)	25 ft ² (2.4 m ²)	19 ft ² (1.8 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	163 ft ² (15 m ²)	82 ft ² (7.6 m ²)	55 ft ² (5.1 m ²)	42 ft ² (3.9 m ²)	28 ft ² (2.6 m ²)	21 ft ² (2 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	196 ft ² (18 m ²)	98 ft ² (9.1 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)	34 ft ² (3.1 m ²)	25 ft ² (2.3 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	79 ft ² (7.3 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	20 ft ² (1.9 m ²)	14 ft ² (1.3 m ²)	11 ft ² (1 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	131 ft ² (12.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	85 ft ² (7.9 m ²)	43 ft ² (4 m ²)	29 ft ² (2.7 m ²)	22 ft ² (2 m ²)	15 ft ² (1.4 m ²)	11.5 ft ² (1.1 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	118 ft ² (10.9 m ²)	60 ft ² (5.5 m ²)	40 ft ² (3.7 m ²)	30 ft ² (2.8 m ²)	21 ft ² (1.9 m ²)	15.5 ft ² (1.4 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	157 ft ² (14.6 m ²)	79 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	20.5 ft ² (1.9 m ²)

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Fusion Pro[®] Designer Series Single Component[®] Grout

Product Description

Fusion Pro[®] Designer Series contains reflective color pigments that sparkle and enhance the look of a tile installation. It is a professional grade grout that features unsurpassed stain resistance with no sealing required. Its Single Component[®] formula is ready to use, color consistent and easy to spread and clean. Fusion Pro Designer Series can be used in commercial and residential environments, interiors and exteriors, and on walls and floors. Its patented formulation can be used on all tiles and has built-in Microban[®] anti-microbial product protection. U.S. Patents 8,349,068, 8,357,238, 8,876,966.

LIMITED AVAILABILITY.

Key Features

- Designer-inspired reflective color accents
- Stainproof - no sealing required
- Easy to spread and clean

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6 - 13 mm)
- May be used for both floor and wall installations
- Exterior and interior applications.
- Commercial and residential applications
- Countertops, tub surrounds, showers and high traffic areas

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Cement-based precast terrazzo
- Polished, natural stone
- Groutable luxury vinyl tile

Composition of Product

Advanced polymers with inorganic fillers and pigments.



Benefits of Product in the Installation

- Stain resistant grout
- No sealing required
- Ready to use
- Hard, durable grout joints
- No efflorescence
- Crack resistant
- Microban[®] antimicrobial product protection

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or above 90°F (32°C).
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. See the General Surface Prep section for details.
- Do not use Fusion Pro with irregularly shaped or spaced tile or stone, such as pebble stones, where joint widths or depths exceed 1/2" (13 mm).
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG[™] 100% Solids Epoxy Grout.
- Not for use over concrete slabs with high moisture emission rates.

- Not for use in steam rooms or submerged applications (swimming pools, spas, water features and fountains).
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

Available in 1 quart (946 ml) pails
 Available in 8 colors

Technical Data

Approvals

Meets the performance characteristics of A118.7 and A118.3.

Technical Chart

TESTS	METHOD	RESULTS
Hardness at 28 days	ASTM D 2240 (Shore D)	76
Compressibility (psi grout joint)	CBP Method	3380
Shrinkage	CBP Method	0.013
Stain	CTIOA T-72- MODIFIED	0.5-1
Cleanability	as per 118.3	Pass
Chem Resistance	ASTM C267	Pass
Vertical Joint Sag	as per 118.3	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low Emitting Materials – Adhesives & Sealants

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA			
#550 Starlight	FPD550QT-4	1 quart (946 ml)	Pail
#551 Moonshadow	FPD551QT-4	1 quart (946 ml)	Pail
#553 Glitter	FPD553QT-4	1 quart (946 ml)	Pail
#554 Raw Sugar	FPD554QT-4	1 quart (946 ml)	Pail
#555 Starry night	FPD555QT-4	1 quart (946 ml)	Pail
#556 Gold	FPD556QT-4	1 quart (946 ml)	Pail
#557 Diamond Dust	FPD557QT-4	1 quart (946 ml)	Pail
#558 Sunset Bronze	FPD558QT-4	1 quart (946 ml)	Pail

COLOR	ITEM CODE	SIZE	PKG
Canada			
#550 Starlight	CFPD550QT-4	1 quart (946 ml)	Pail
#551 Moonshadow	CFPD551QT-4	1 quart (946 ml)	Pail
#553 Glitter	CFPD553QT-4	1 quart (946 ml)	Pail
#554 Raw Sugar	CFPD554QT-4	1 quart (946 ml)	Pail
#555 Starry night	CFPD555QT-4	1 quart (946 ml)	Pail
#556 Gold	CFPD556QT-4	1 quart (946 ml)	Pail
#557 Diamond Dust	CFPD557QT-4	1 quart (946 ml)	Pail
#558 Sunset Bronze	CFPD558QT-4	1 quart (946 ml)	Pail

Coverage*

TILE SIZE	SQUARE FOOT COVERAGE PER 1 QUART PAIL (SQUARE METER COVERAGE PER 946 ML)					
	JOINT WIDTH					
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	14 ft ² (1.3 m ²)	8 ft ² (0.7 m ²)	6 ft ² (0.5 m ²)	5 ft ² (0.4 m ²)	4 ft ² (0.4 m ²)	3 ft ² (0.3 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	26 ft ² (2.4 m ²)	14 ft ² (1.3 m ²)	10 ft ² (0.9 m ²)	8 ft ² (0.7 m ²)	6 ft ² (0.5 m ²)	5 ft ² (0.4 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	38 ft ² (3.5 m ²)	20 ft ² (1.8 m ²)	13.8 ft ² (1.3 m ²)	10.8 ft ² (1 m ²)	7.8 ft ² (0.7 m ²)	6.3 ft ² (0.6 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	53 ft ² (4.9 m ²)	27 ft ² (2.5 m ²)	19 ft ² (1.7 m ²)	14 ft ² (1.3 m ²)	10 ft ² (0.9 m ²)	8 ft ² (0.7 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	74 ft ² (6.9 m ²)	38 ft ² (3.5 m ²)	26 ft ² (2.4 m ²)	20 ft ² (1.8 m ²)	14 ft ² (1.3 m ²)	11 ft ² (1 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	66 ft ² (6.1 m ²)	34 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)	12 ft ² (1.1 m ²)	9 ft ² (0.9 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	98 ft ² (9.1 m ²)	50 ft ² (4.6 m ²)	33 ft ² (3.1 m ²)	25 ft ² (2.4 m ²)	17 ft ² (1.6 m ²)	13 ft ² (1.2 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	131 ft ² (12.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (8.5 m ²)	17 ft ² (1.6 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	147 ft ² (13.7 m ²)	74 ft ² (6.9 m ²)	50 ft ² (4.6 m ²)	38 ft ² (3.5 m ²)	25 ft ² (2.4 m ²)	19 ft ² (1.8 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	163 ft ² (15 m ²)	82 ft ² (7.6 m ²)	55 ft ² (5.1 m ²)	42 ft ² (3.9 m ²)	28 ft ² (2.6 m ²)	21 ft ² (2 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	196 ft ² (18 m ²)	98 ft ² (9.1 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)	34 ft ² (3.1 m ²)	25 ft ² (2.3 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	79 ft ² (7.3 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	20 ft ² (1.9 m ²)	14 ft ² (1.3 m ²)	11 ft ² (1 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	131 ft ² (12.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	17 ft ² (1.6 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	85 ft ² (7.9 m ²)	43 ft ² (4 m ²)	29 ft ² (2.7 m ²)	22 ft ² (2 m ²)	15 ft ² (1.4 m ²)	11.5 ft ² (1.1 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	118 ft ² (10.9 m ²)	60 ft ² (5.5 m ²)	40 ft ² (3.7 m ²)	30 ft ² (2.8 m ²)	21 ft ² (1.9 m ²)	15.5 ft ² (1.4 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	157 ft ² (14.6 m ²)	79 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	20.5 ft ² (1.9 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Prism®

Ultimate Performance Cement Grout

Product Description

Prism® Ultimate Performance Grout sets a new standard in cement based grout technology. Prism's calcium Aluminate cement based, latex polymer-modified formula offers consistent color with no shading regardless of tile type, temperature or humidity, and it will not effloresce. The rapid setting formula results in high early strength and dense joints for the highest stain resistance in grout joints up to 1/2". A unique blend of lightweight recycled glass and fine aggregate sand allows for a smooth consistency that is easy to spread and clean.

Key Features

- Uniform consistent color
- Won't mottle or shade regardless of tile type, temperature or humidity
- Produces stain resistant, dense grout joints
- No efflorescence
- Lightweight for superior handling
- Fast setting, walkable in four hours
- 17 lb. (7.71 kg) box covers the same area as a typical 25 lb. bag of conventional grout
- No sealer required

Uses

- Use to fill joint widths 1/16" to 1/2" (1.6 - 13 mm)
- May be used for both floor and wall installations
- Interior and exterior applications
- Residential and commercial applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile



Composition of Product

Prism® Ultimate Performance Cement Grout is a blend of specialty cements, recycled aggregates and chemicals.

Benefits of Product in the Installation

- Hard, dense grout joints
- Resists shrinking, cracking, powdering and wear
- Consistent color without shading or efflorescence
- Cures quickly, developing high early-strength
- 32% lighter than typical grouts; excellent handling characteristics
- Contains 15% (by weight) pre-consumer recycled material

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the lightweight aggregate filler. Perform a test on a small area prior to use. Polyblend® Plus Non-Sanded Grout may be appropriate for joints up to 1/8" or for tile not suited for sanded grout.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.

- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

- 17 lb (7.71 kg) box containing two (2) 8.5 lb (3.85 kg) sealed bags
- 6.8 lb (3.1 kg) box containing one (1) bag (15 colors in Canada Only)
- Available in 40 standard colors. Color matching is available.

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.10 & A118.7 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength

Approvals

Prism Ultimate Performance Cement Grout meets ANSI A118.6 and A118.7 standards.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot life			60 – 90 Minutes
Shrinkage	A118.7 Section 3.3	< 0.20%	<0.2%
Water Absorption	A118.7 Section 3.4	<5%	<5%
Compressive Strength	A118.7 Section 3.5	> 3000 psi	>3000 psi (209.4 kg/cm ²)
Tensile Strength	A118.7 Section 3.6	> 500 psi	>500 psi (35.2 kg/cm ²)
Flexural Strength	A118.7 Section 3.7	> 1000 psi	>1000 psi (70.5 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA			
#9 Natural Gray	PG0917T	17 lb (7.71 kg)	Box
#10 Antique White	PG1017T	17 lb (7.71 kg)	Box
#11 Snow White	PG1117T	17 lb (7.71 kg)	Box
#19 Pewter	PG1917T	17 lb (7.71 kg)	Box
#52 Tobacco Brown	PG5217T	17 lb (7.71 kg)	Box
#59 Saddle Brown	PG5917T	17 lb (7.71 kg)	Box
#60 Charcoal	PG6017T	17 lb (7.71 kg)	Box
#95 Sable Brown	PG9517T	17 lb (7.71 kg)	Box
#105 Earth	PG10517T	17 lb (7.71 kg)	Box
#115 Platinum	PG11517T	17 lb (7.71 kg)	Box
#122 Linen	PG12217T	17 lb (7.71 kg)	Box
#135 Mushroom	PG13517T	17 lb (7.71 kg)	Box
#145 Light Smoke	PG14517T	17 lb (7.71 kg)	Box
#165 Delorean Gray	PG16517T	17 lb (7.71 kg)	Box
#172 Urban Putty	PG17217T	17 lb (7.71 kg)	Box
#183 Chateau	PG18317T	17 lb (7.71 kg)	Box
#185 New Taupe	PG18517T	17 lb (7.71 kg)	Box
#186 Khaki	PG18617T	17 lb (7.71 kg)	Box
#333 Alabaster	PG33317T	17 lb (7.71 kg)	Box
#335 Winter Gray	PG33517T	17 lb (7.71 kg)	Box
#370 Dove Gray	PG37017T	17 lb (7.71 kg)	Box
#380 Haystack	PG38017T	17 lb (7.71 kg)	Box
#381 Bright White	PG38117T	17 lb (7.71 kg)	Box
#382 Bone	PG38217T	17 lb (7.71 kg)	Box
#386 Oyster Gray	PG38617T	17 lb (7.71 kg)	Box
#540 Truffle	PG54017T	17 lb (7.71 kg)	Box
#541 Walnut	PG54117T	17 lb (7.71 kg)	Box
#542 Graystone	PG54217T	17 lb (7.71 kg)	Box
#543 Driftwood	PG54317T	17 lb (7.71 kg)	Box
#544 Rolling Fog	PG54417T	17 lb (7.71 kg)	Box
#545 Bleached Wood	PG54517T	17 lb (7.71 kg)	Box
#546 Cape Gray	PG54617T	17 lb (7.71 kg)	Box
#640 Arctic White	PG64017T	17 lb (7.71 kg)	Box
#641 Cool White	PG64117T	17 lb (7.71 kg)	Box
#642 Ash	PG64217T	17 lb (7.71 kg)	Box
#643 Warm Gray	PG64317T	17 lb (7.71 kg)	Box
#644 Shadow	PG64417T	17 lb (7.71 kg)	Box
#645 Steel Blue	PG64517T	17 lb (7.71 kg)	Box
#646 Coffee Bean	PG64617T	17 lb (7.71 kg)	Box
#647 Brown Velvet	PG64717T	17 lb (7.71 kg)	Box

COLOR	ITEM CODE	SIZE	PKG
CANADA			
#9 Natural Gray	CPG0917	17 lb (7.71 kg)	Box
#10 Antique White	CPG1017	17 lb (7.71 kg)	Box
#11 Snow White	CPG1117	17 lb (7.71 kg)	Box
#19 Pewter	CPG1917	17 lb (7.71 kg)	Box
#52 Tobacco Brown	CPG5217	17 lb (7.71 kg)	Box
#59 Saddle Brown	CPG5917	17 lb (7.71 kg)	Box
#60 Charcoal	CPG6017	17 lb (7.71 kg)	Box
#95 Sable Brown	CPG9517	17 lb (7.71 kg)	Box
#105 Earth	CPG10517	17 lb (7.71 kg)	Box
#115 Platinum	CPG11517	17 lb (7.71 kg)	Box
#122 Linen	CPG12217	17 lb (7.71 kg)	Box
#135 Mushroom	CPG13517	17 lb (7.71 kg)	Box
#145 Light Smoke	CPG14517	17 lb (7.71 kg)	Box
#165 Delorean Gray	CPG16517	17 lb (7.71 kg)	Box
#172 Urban Putty	CPG17217	17 lb (7.71 kg)	Box
#183 Chateau	CPG18317	17 lb (7.71 kg)	Box
#185 New Taupe	CPG18517	17 lb (7.71 kg)	Box
#186 Khaki	CPG18617	17 lb (7.71 kg)	Box
#333 Alabaster	CPG33317	17 lb (7.71 kg)	Box
#335 Winter Gray	CPG33517	17 lb (7.71 kg)	Box
#370 Dove Gray	CPG37017	17 lb (7.71 kg)	Box
#380 Haystack	CPG38017	17 lb (7.71 kg)	Box
#381 Bright White	CPG38117	17 lb (7.71 kg)	Box
#382 Bone	CPG38217	17 lb (7.71 kg)	Box
#386 Oyster Gray	CPG38617	17 lb (7.71 kg)	Box
#540 Truffle	CPG54017	17 lb (7.71 kg)	Box
#541 Walnut	CPG54117	17 lb (7.71 kg)	Box
#542 Graystone	CPG54217	17 lb (7.71 kg)	Box
#543 Driftwood	CPG54317	17 lb (7.71 kg)	Box
#544 Rolling Fog	CPG54417	17 lb (7.71 kg)	Box
#545 Bleached Wood	CPG54517	17 lb (7.71 kg)	Box
#546 Cape Gray	CPG54617	17 lb (7.71 kg)	Box
#640 Arctic White	CPG64017	17 lb (7.71 kg)	Box
#641 Cool White	CPG64117	17 lb (7.71 kg)	Box
#642 Ash	CPG64217	17 lb (7.71 kg)	Box
#643 Warm Gray	CPG64317	17 lb (7.71 kg)	Box
#644 Shadow	CPG64417	17 lb (7.71 kg)	Box
#645 Steel Blue	CPG64517	17 lb (7.71 kg)	Box
#646 Coffee Bean	CPG64617	17 lb (7.71 kg)	Box
#647 Brown Velvet	CPG64717	17 lb (7.71 kg)	Box

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or TileLab® Grout & Tile Cleaner.

Coverage* .

For 17 lb. box of Prism in ft² (m²) per box

TILE SIZE Width x Length x Thickness	JOINT WIDTH					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	96 ft ² (8.9 m ²)	54 ft ² (5 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)	27 ft ² (2.5 m ²)	24 ft ² (2.2 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	181 ft ² (16.8 m ²)	96 ft ² (8.9 m ²)	68 ft ² (6.3 m ²)	54 ft ² (5.0 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	266 ft ² (24.7 m ²)	138 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	74 ft ² (7 m ²)	54 ft ² (5 m ²)	43 ft ² (4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	372.4 ft ² (34.6 m ²)	192 ft ² (17.8 m ²)	131 ft ² (12.2 m ²)	101 ft ² (9.4 m ²)	71 ft ² (6.6 m ²)	56 ft ² (5.2 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	521 ft ² (48.4 m ²)	266 ft ² (24.7 m ²)	181 ft ² (16.8 m ²)	139 ft ² 12.9 m ²	96 ft ² (8.9 m ²)	75 ft ² (7.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	461 ft ² (42.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)	83 ft ² (7.7 m ²)	64 ft ² (6 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	688 ft ² (63.9 m ²)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)	121 ft ² (11.2 m ²)	92 ft ² (8.6 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	915 ft ² (85 m ²)	462 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	1028 ft ² (95.5 m ²)	518 ft ² (48.1 m ²)	348 ft ² (32.3 m ²)	262 ft ² (24.4 m ²)	177 ft ² (16.5 m ²)	135 ft ² (12.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	1142 ft ² (106.1 m ²)	574 ft ² (53.4 m ²)	385 ft ² (35.8 m ²)	291 ft ² (27 m ²)	196 ft ² (18.2 m ²)	149 ft ² (13.8 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	1369 ft ² (127.2 m ²)	688 ft ² (63.9 m ²)	461 ft ² (42.8 m ²)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	552 ft ² (51.3 m ²)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)	98 ft ² (9.1 m ²)	75 ft ² (7 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	915 ft ² (85 m ²)	461 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	591 ft ² (54.9 m ²)	299 ft ² (27.8 m ²)	202 ft ² (18.7 m ²)	153 ft ² (14.2 m ²)	104 ft ² (9.7 m ²)	80 ft ² (7.4 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	824 ft ² (76.6 m ²)	416 ft ² (38.6 m ²)	279 ft ² (26 m ²)	211 ft ² (19.6 m ²)	143 ft ² (13.3 m ²)	109 ft ² (10.2 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	1096 ft ² (101.9 m ²)	552 ft ² (51.3 m ²)	370 ft ² (34.4 m ²)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)

Polyblend® Plus Sanded Grout

Product Description

Polyblend® Plus has all of the great features of original Polyblend, plus some new value-added enhancements to improve performance, finished color, and color consistency. It is now an ANSI A118.7 polymer-modified, cement-based sanded grout that produces hard, dense joints that resist shrinking, cracking, and wear. Formulated for durability, Polyblend Plus Sanded Grout accommodates 1/8"-1/2" (3.1-12.7 mm) joints for interior or exterior installations, including floors, countertops, walls, ceilings, showers, fountains, and pools.

Key Features

- Brighter, more vivid finished color
- Enhanced color consistency
- Better resistance to efflorescence
- Meets ANSI 118.7 High Performance Grout Standard without additive
- Easy to use – Just mix with water
- Polymer fortified for hard, durable, professional results

Uses

- Use to fill joint widths 1/8" to 1/2" (3.1 to 12.7 mm)
- May be used for both floor and wall installations
- Interior and exterior applications
- Residential and commercial applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Composition of Product

Polyblend® Plus Sanded Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.



Benefits of Product in the Installation

- Hard, durable grout joints
- Resists shrinking, cracking, powdering and wear

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. Polyblend® Plus Non-Sanded Grout may be appropriate for joints up to 1/8" or for tile not suited for sanded grout.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.
- Color variation can occur due to tile type, tile porosity, jobsite and climatic conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- A CUSTOM grout color card is truest representation of the grout formula. Refer to the latest CUSTOM grout color card to choose a color. Perform a mockup to determine suitability. Various lighting types and conditions will affect the final grout and tile colors' appearance.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning.

- For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Ceramic Tile Caulk.

Packaging

Available in 2 sizes:
 7 lb. (3.17 kg) box
 25 lb. (11.34 kg) bag
 25 lb bag and 7 lb box are available in 40 standard colors; color matching is available.

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.10, A118.6 & A118.7 of the American National Standards for the Installation of Ceramic Tile ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength
- ISO 13007-3

Approvals

Polyblend® Plus Sanded Grout exceeds ANSI A118.6 & A118.7 standards.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life	ANSI A118.7		1 - 2 Hours
28 Day Shrinkage	Section 3.3	< 0.20%	< 0.20%
28 Day Water Absorption	Section 3.4	< 5%	< 5%
1 Day Compressive Strength	Section 3.5	> 500 psi (35.2 kg/cm sq)	> 500 psi (35.2 kg/cm sq)
28 Day Compressive Strength	Section 3.5	> 3000 psi (210.9 kg/cm sq)	> 3000 psi (210.9 kg/cm sq)
28 Day Tensile Strength	Section 3.6	> 500 psi (35.2 kg/cm sq)	> 500 psi (35.2 kg/cm sq)
28 Day Flexural Strength	Section 3.7	> 1000 psi (70.3 kg/cm sq)	> 1000 psi (70.3 kg/cm sq)

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, LowEmitting Materials – Adhesives & Sealants

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
USA Stock Colors						
#9 Natural Gray	PBPG097-4	7 lb. (3.17 kg)	Box	PBPG0925	25 lb. (11.34 kg)	Bag
#10 Antique White	—	7 lb. (3.17 kg)	Box	PBPG1025	25 lb. (11.34 kg)	Bag
#11 Snow White	PBPG117-4	7 lb. (3.17 kg)	Box	PBPG1125	25 lb. (11.34 kg)	Bag
#19 Pewter	PBPG197-4	7 lb. (3.17 kg)	Box	PBPG1925	25 lb. (11.34 kg)	Bag
#52 Tobacco Brown	—	7 lb. (3.17 kg)	Box	PBPG5225	25 lb. (11.34 kg)	Bag
#59 Saddle Brown	—	7 lb. (3.17 kg)	Box	PBPG5925	25 lb. (11.34 kg)	Bag
#60 Charcoal	PBPG607-4	7 lb. (3.17 kg)	Box	PBPG6025	25 lb. (11.34 kg)	Bag
#95 Sable Brown	—	7 lb. (3.17 kg)	Box	PBPG9525	25 lb. (11.34 kg)	Bag
#105 Earth	—	7 lb. (3.17 kg)	Box	PBPG10525	25 lb. (11.34 kg)	Bag
#115 Platinum	PBPG1157-4	7 lb. (3.17 kg)	Box	PBPG11525	25 lb. (11.34 kg)	Bag
#122 Linen	PBPG1227-4	7 lb. (3.17 kg)	Box	PBPG12225	25 lb. (11.34 kg)	Bag
#135 Mushroom	—	7 lb. (3.17 kg)	Box	PBPG13525	25 lb. (11.34 kg)	Bag
#145 Light Smoke	—	7 lb. (3.17 kg)	Box	PBPG14525	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	PBPG1657-4	7 lb. (3.17 kg)	Box	PBPG16525	25 lb. (11.34 kg)	Bag
#172 Urban Putty	—	7 lb. (3.17 kg)	Box	PBPG17225	25 lb. (11.34 kg)	Bag
#183 Chateau	—	7 lb. (3.17 kg)	Box	PBPG18325	25 lb. (11.34 kg)	Bag
#185 New Taupe	—	7 lb. (3.17 kg)	Box	PBPG18525	25 lb. (11.34 kg)	Bag
#186 Khaki	—	7 lb. (3.17 kg)	Box	PBPG18625	25 lb. (11.34 kg)	Bag
#333 Alabaster	—	7 lb. (3.17 kg)	Box	PBPG33325	25 lb. (11.34 kg)	Bag
#335 Winter Gray	—	7 lb. (3.17 kg)	Box	PBPG33525	25 lb. (11.34 kg)	Bag
#370 Dove Gray	—	7 lb. (3.17 kg)	Box	PBPG37025	25 lb. (11.34 kg)	Bag
#380 Haystack	PBPG3807-4	7 lb. (3.17 kg)	Box	PBPG38025	25 lb. (11.34 kg)	Bag
#381 Bright White	PBPG3817-4	7 lb. (3.17 kg)	Box	PBPG38125	25 lb. (11.34 kg)	Bag
#382 Bone	PBPG3827-4	7 lb. (3.17 kg)	Box	PBPG38225	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	PBPG3867-4	7 lb. (3.17 kg)	Box	PBPG38625	25 lb. (11.34 kg)	Bag
#540 Truffle	—	7 lb. (3.17 kg)	Box	PBPG54025	25 lb. (11.34 kg)	Bag
#541 Walnut	—	7 lb. (3.17 kg)	Box	PBPG54125	25 lb. (11.34 kg)	Bag
#542 Graystone	—	7 lb. (3.17 kg)	Box	PBPG54225	25 lb. (11.34 kg)	Bag
#543 Driftwood	—	7 lb. (3.17 kg)	Box	PBPG54325	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	PBPG5447-4	7 lb. (3.17 kg)	Box	PBPG54425	25 lb. (11.34 kg)	Bag
#545 Bleached Wood	—	7 lb. (3.17 kg)	Box	PBPG54525	25 lb. (11.34 kg)	Bag
#546 Cape Gray	—	7 lb. (3.17 kg)	Box	PBPG54625	25 lb. (11.34 kg)	Bag
#640 Arctic White	PBPG6407-4	7 lb. (3.17 kg)	Box	PBPG64025	25 lb. (11.34 kg)	Bag
#641 Cool White	—	7 lb. (3.17 kg)	Box	PBPG64125	25 lb. (11.34 kg)	Bag
#642 Ash	—	7 lb. (3.17 kg)	Box	PBPG64225	25 lb. (11.34 kg)	Bag
#643 Warm Gray	—	7 lb. (3.17 kg)	Box	PBPG64325	25 lb. (11.34 kg)	Bag
#644 Shadow	—	7 lb. (3.17 kg)	Box	PBPG64425	25 lb. (11.34 kg)	Bag
#645 Steel Blue	—	7 lb. (3.17 kg)	Box	PBPG64525	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	PBPG6467-4	7 lb. (3.17 kg)	Box	PBPG64625	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	PBPG6477-4	7 lb. (3.17 kg)	Box	PBPG64725	25 lb. (11.34 kg)	Bag

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
Canada Stock Colors						
#9 Natural Gray	CPBPG097-4	7 lb. (3.17 kg)	Box	CPBPG0925	25 lb. (11.34 kg)	Bag
#10 Antique White	—	7 lb. (3.17 kg)	Box	CPBPG1025	25 lb. (11.34 kg)	Bag
#11 Snow White	CPBPG117-4	7 lb. (3.17 kg)	Box	CPBPG1125	25 lb. (11.34 kg)	Bag
#19 Pewter	CPBPG197-4	7 lb. (3.17 kg)	Box	CPBPG1925	25 lb. (11.34 kg)	Bag
#52 Tobacco Brown	—	7 lb. (3.17 kg)	Box	CPBPG5225	25 lb. (11.34 kg)	Bag
#59 Saddle Brown	—	7 lb. (3.17 kg)	Box	CPBPG5925	25 lb. (11.34 kg)	Bag
#60 Charcoal	CPBPG607-4	7 lb. (3.17 kg)	Box	CPBPG6025	25 lb. (11.34 kg)	Bag
#95 Sable Brown	—	7 lb. (3.17 kg)	Box	CPBPG9525	25 lb. (11.34 kg)	Bag
#105 Earth	—	7 lb. (3.17 kg)	Box	CPBPG10525	25 lb. (11.34 kg)	Bag
#115 Platinum	CPBPG1157-4	7 lb. (3.17 kg)	Box	CPBPG11525	25 lb. (11.34 kg)	Bag
#122 Linen	CPBPG1227-4	7 lb. (3.17 kg)	Box	CPBPG12225	25 lb. (11.34 kg)	Bag
#135 Mushroom	—	7 lb. (3.17 kg)	Box	CPBPG13525	25 lb. (11.34 kg)	Bag
#145 Light Smoke	—	7 lb. (3.17 kg)	Box	CPBPG14525	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	CPBPG1657-4	7 lb. (3.17 kg)	Box	CPBPG16525	25 lb. (11.34 kg)	Bag
#172 Urban Putty	—	7 lb. (3.17 kg)	Box	CPBPG17225	25 lb. (11.34 kg)	Bag
#183 Chateau	—	7 lb. (3.17 kg)	Box	CPBPG18325	25 lb. (11.34 kg)	Bag
#185 New Taupe	—	7 lb. (3.17 kg)	Box	CPBPG18525	25 lb. (11.34 kg)	Bag
#186 Khaki	—	7 lb. (3.17 kg)	Box	CPBPG18625	25 lb. (11.34 kg)	Bag
#333 Alabaster	—	7 lb. (3.17 kg)	Box	CPBPG33325	25 lb. (11.34 kg)	Bag
#335 Winter Gray	—	7 lb. (3.17 kg)	Box	CPBPG33525	25 lb. (11.34 kg)	Bag
#370 Dove Gray	—	7 lb. (3.17 kg)	Box	CPBPG37025	25 lb. (11.34 kg)	Bag
#380 Haystack	CPBPG3807-4	7 lb. (3.17 kg)	Box	CPBPG38025	25 lb. (11.34 kg)	Bag
#381 Bright White	CPBPG3817-4	7 lb. (3.17 kg)	Box	CPBPG38125	25 lb. (11.34 kg)	Bag
#382 Bone	CPBPG3827-4	7 lb. (3.17 kg)	Box	CPBPG38225	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	CPBPG3867-4	7 lb. (3.17 kg)	Box	CPBPG38625	25 lb. (11.34 kg)	Bag
#540 Truffle	—	7 lb. (3.17 kg)	Box	CPBPG54025	25 lb. (11.34 kg)	Bag
#541 Walnut	—	7 lb. (3.17 kg)	Box	CPBPG54125	25 lb. (11.34 kg)	Bag
#542 Graystone	—	7 lb. (3.17 kg)	Box	CPBPG54225	25 lb. (11.34 kg)	Bag
#543 Driftwood	—	7 lb. (3.17 kg)	Box	CPBPG54325	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	CPBPG5447-4	7 lb. (3.17 kg)	Box	CPBPG54425	25 lb. (11.34 kg)	Bag
#545 Bleached Wood	—	7 lb. (3.17 kg)	Box	CPBPG54525	25 lb. (11.34 kg)	Bag
#546 Cape Gray	—	7 lb. (3.17 kg)	Box	CPBPG54625	25 lb. (11.34 kg)	Bag
#640 Arctic White	CPBPG6407-4	7 lb. (3.17 kg)	Box	CPBPG64025	25 lb. (11.34 kg)	Bag
#641 Cool White	—	7 lb. (3.17 kg)	Box	CPBPG64125	25 lb. (11.34 kg)	Bag
#642 Ash	—	7 lb. (3.17 kg)	Box	CPBPG64225	25 lb. (11.34 kg)	Bag
#643 Warm Gray	—	7 lb. (3.17 kg)	Box	CPBPG64325	25 lb. (11.34 kg)	Bag
#644 Shadow	—	7 lb. (3.17 kg)	Box	CPBPG64425	25 lb. (11.34 kg)	Bag
#645 Steel Blue	—	7 lb. (3.17 kg)	Box	CPBPG64525	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	CPBPG6467-4	7 lb. (3.17 kg)	Box	CPBPG64625	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	CPBPG6477-4	7 lb. (3.17 kg)	Box	CPBPG64725	25 lb. (11.34 kg)	Bag

Coverage*

For 25 lb. bag of Polyblend in ft² (m²) per bag

TILE SIZE Width x Length x Thickness	JOINT WIDTH				
	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	54 ft ² (5 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)	27 ft ² (2.5 m ²)	24 ft ² (2.2 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	96 ft ² (8.9 m ²)	68 ft ² (6.3 m ²)	54 ft ² (5.0 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	138 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	74 ft ² (7 m ²)	54 ft ² (5 m ²)	43 ft ² (4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	192 ft ² (17.8 m ²)	131 ft ² (12.2 m ²)	101 ft ² (9.4 m ²)	71 ft ² (6.6 m ²)	56 ft ² (5.2 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	266 ft ² (24.7 m ²)	181 ft ² (16.8 m ²)	139 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	75 ft ² (7.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)	83 ft ² (7.7 m ²)	64 ft ² (6 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)	121 ft ² (11.2 m ²)	92 ft ² (8.6 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	462 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	518 ft ² (48.1 m ²)	348 ft ² (32.3 m ²)	262 ft ² (24.4 m ²)	177 ft ² (16.5 m ²)	135 ft ² (12.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	574 ft ² (53.4 m ²)	385 ft ² (35.8 m ²)	291 ft ² (27 m ²)	196 ft ² (18.2 m ²)	149 ft ² (13.8 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	688 ft ² (63.9 m ²)	461 ft ² (42.8 m ²)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)	98 ft ² (9.1 m ²)	75 ft ² (7 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	461 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	299 ft ² (27.8 m ²)	202 ft ² (18.7 m ²)	153 ft ² (14.2 m ²)	104 ft ² (9.7 m ²)	80 ft ² (7.4 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	416 ft ² (38.6 m ²)	279 ft ² (26 m ²)	211 ft ² (19.6 m ²)	143 ft ² (13.3 m ²)	109 ft ² (10.2 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	552 ft ² (51.3 m ²)	370 ft ² (34.4 m ²)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)

For 7 lb box of Polyblend (sq ft/sq m per box)

TILE SIZE Width x Length x Thickness	JOINT WIDTH				
	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	15 ft ² (1.4 m ²)	11 ft ² (1 m ²)	9 ft ² (.9 m ²)	8 ft ² (.7 m ²)	7 ft ² (.6 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	27 ft ² (2.5 m ²)	19 ft ² (1.8 m ²)	15 ft ² (1.4 m ²)	11 ft ² (1 m ²)	9 ft ² (.9 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	39 ft ² (3.6 m ²)	27 ft ² (2.5 m ²)	21 ft ² (1.9 m ²)	15 ft ² (1.4 m ²)	12 ft ² (1.1 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	54 ft ² (5 m ²)	37 ft ² (3.4 m ²)	28 ft ² (2.6 m ²)	20 ft ² (1.9 m ²)	16 ft ² (1.5 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	74 ft ² (6.9 m ²)	51 ft ² (4.7 m ²)	39 ft ² (3.6 m ²)	27 ft ² (2.5 m ²)	21 ft ² (1.9 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	34 ft ² (3.1 m ²)	23 ft ² (2.2 m ²)	18 ft ² (1.7 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	97 ft ² (9 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)	34 ft ² (3.1 m ²)	26 ft ² (2.4 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	129 ft ² (12 m ²)	87 ft ² (8.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	34 ft ² (3.1 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	145 ft ² (13.5 m ²)	97 ft ² (9 m ²)	73 ft ² (6.8 m ²)	50 ft ² (4.6 m ²)	38 ft ² (3.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	161 ft ² (14.9 m ²)	108 ft ² (10 m ²)	81 ft ² (7.6 m ²)	55 ft ² (5.1 m ²)	42 ft ² (3.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	193 ft ² (17.9 m ²)	129 ft ² (12 m ²)	97 ft ² (9 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	78 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	21 ft ² (2.0 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	129 ft ² (12 m ²)	87 ft ² (8.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	34 ft ² (3.1 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	84 ft ² (7.8 m ²)	56 ft ² (5.2 m ²)	43 ft ² (4 m ²)	29 ft ² (2.7 m ²)	22 ft ² (2.1 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	116 ft ² (10.8 m ²)	78 ft ² (7.3 m ²)	59 ft ² (5.5 m ²)	40 ft ² (3.7 m ²)	31 ft ² (2.8 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	155 ft ² (14.4 m ²)	104 ft ² (9.6 m ²)	78 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.7 m ²)

*Charts are for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Polyblend® Plus Non-Sanded Grout

Product Description

Polyblend® Plus has all of the great features of original Polyblend, plus some new value-added enhancements to improve performance, finished color, and color consistency. It is an ANSI A118.6 polymer-modified, cement-based non-sanded grout designed for highly glazed or polished tile, marble and natural stone that would be scratched by sanded grouts. This durable, non-shrinking grout accommodates joints up to 1/8" (3.2 mm) and can be used for interior or exterior installations, including floors, countertops, walls, ceilings, showers, fountains and pools.

Key Features

- Brighter, more vivid finished color
- Enhanced color consistency
- Better resistance to efflorescence
- Easy to use – Just mix with water
- Polymer fortified for hard, durable, professional results

Uses

- Use to fill joint widths up to 1/8"
- May be used for both floor and wall installations
- Interior and exterior applications
- Residential and commercial applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Composition of Product

Polyblend® Plus Non-Sanded Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.



Benefits of Product in the Installation

- Hard, durable grout joints
- Resists shrinking, cracking, powdering and wear
- Excellent for highly-glazed ceramic tile and highly-polished marble or natural stone

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.
- Color variation can occur due to tile type, tile porosity, jobsite and climatic conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- A CUSTOM grout color card is truest representation of the grout formula. Refer to the latest CUSTOM grout color card to choose a color. Perform a mockup to determine suitability. Various lighting types and conditions will affect the final grout and tile colors' appearance.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning.

- For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Ceramic Tile Caulk.

Packaging

10 lb. (4.54 kg) box

25 lb. (11.34 kg) bag

Available in 40 standard colors; color matching is available.

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.10 and A118.6 American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength

Approvals

Polyblend® Plus Non-Sanded Grout exceeds ANSI A118.6 standards.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot Life	ANSI A118.6		1 - 2 Hours
Shrinkage	Section 4.3	< 0.30%	< 0.30%
28 Day Water Absorption	Section 4.4	< 18%	< 18%
1 Day Compressive Strength	Section 4.5	> 500 psi (35.2 kg/cm sq)	> 500 psi (35.2 kg/cm sq)
28 Day Compressive Strength	Section 4.5	> 3000 psi (210.9 kg/cm sq)	> 3000 psi (210.9 kg/cm sq)
Tensile Strength	Section 3.6	> 250 psi (17.6 kg/cm sq)	> 250 psi (17.6 kg/cm sq)
Flexural Strength	Section 4.7	> 500 psi (35.2 kg/cm sq)	> 500 psi (35.2 kg/cm sq)

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
USA Stock Colors						
#9 Natural Gray	PBPG0910	10 lb. (4.54 kg)	Box	NSPG0925*	25 lb. (11.34 kg)	Bag
#10 Antique White	PBPG1010	10 lb. (4.54 kg)	Box	NSPG1025*	25 lb. (11.34 kg)	Bag
#11 Snow White	PBPG1110	10 lb. (4.54 kg)	Box	NSPG1125*	25 lb. (11.34 kg)	Bag
#19 Pewter	PBPG1910	10 lb. (4.54 kg)	Box	NSPG1925*	25 lb. (11.34 kg)	Bag
#52 Tobacco Brown	PBPG5210	10 lb. (4.54 kg)	Box	NSPG5225*	25 lb. (11.34 kg)	Bag
#59 Saddle Brown	PBPG5910	10 lb. (4.54 kg)	Box	NSPG5925*	25 lb. (11.34 kg)	Bag
#60 Charcoal	PBPG6010	10 lb. (4.54 kg)	Box	NSPG6025*	25 lb. (11.34 kg)	Bag
#95 Sable Brown	PBPG9510	10 lb. (4.54 kg)	Box	NSPG9525*	25 lb. (11.34 kg)	Bag
#105 Earth	PBPG10510	10 lb. (4.54 kg)	Box	NSPG10825*	25 lb. (11.34 kg)	Bag
#115 Platinum	PBPG11510	10 lb. (4.54 kg)	Box	NSPG11525*	25 lb. (11.34 kg)	Bag
#122 Linen	PBPG12210	10 lb. (4.54 kg)	Box	NSPG12225*	25 lb. (11.34 kg)	Bag
#135 Mushroom	PBPG13510	10 lb. (4.54 kg)	Box	NSPG13525*	25 lb. (11.34 kg)	Bag
#145 Light Smoke	PBPG14510	10 lb. (4.54 kg)	Box	NSPG14525*	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	PBPG16510	10 lb. (4.54 kg)	Box	NSPG16525*	25 lb. (11.34 kg)	Bag
#172 Urban Putty	PBPG17210	10 lb. (4.54 kg)	Box	NSPG17225*	25 lb. (11.34 kg)	Bag
#183 Chateau	PBPG18310	10 lb. (4.54 kg)	Box	NSPG18325*	25 lb. (11.34 kg)	Bag
#185 New Taupe	PBPG18510	10 lb. (4.54 kg)	Box	NSPG18525*	25 lb. (11.34 kg)	Bag
#186 Khaki	PBPG18610	10 lb. (4.54 kg)	Box	NSPG18625*	25 lb. (11.34 kg)	Bag
#333 Alabaster	PBPG33310	10 lb. (4.54 kg)	Box	NSPG33325*	25 lb. (11.34 kg)	Bag
#335 Winter Gray	PBPG33510	10 lb. (4.54 kg)	Box	NSPG33525*	25 lb. (11.34 kg)	Bag
#370 Dove Gray	PBPG37010	10 lb. (4.54 kg)	Box	NSPG37025*	25 lb. (11.34 kg)	Bag
#380 Haystack	PBPG38010	10 lb. (4.54 kg)	Box	NSPG38025*	25 lb. (11.34 kg)	Bag
#381 Bright White	PBPG38110	10 lb. (4.54 kg)	Box	NSPG38125*	25 lb. (11.34 kg)	Bag
#382 Bone	PBPG38210	10 lb. (4.54 kg)	Box	NSPG38225*	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	PBPG38610	10 lb. (4.54 kg)	Box	NSPG38625*	25 lb. (11.34 kg)	Bag
#540 Truffle	PBPG54010	10 lb. (4.54 kg)	Box	NSPG54025*	25 lb. (11.34 kg)	Bag
#541 Walnut	PBPG54110	10 lb. (4.54 kg)	Box	NSPG54125*	25 lb. (11.34 kg)	Bag
#542 Graystone	PBPG54210	10 lb. (4.54 kg)	Box	NSPG54225*	25 lb. (11.34 kg)	Bag
#543 Driftwood	PBPG54310	10 lb. (4.54 kg)	Box	NSPG54225*	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	PBPG54410	10 lb. (4.54 kg)	Box	NSPG54425*	25 lb. (11.34 kg)	Bag
#545 Bleached Wood	PBPG54510	10 lb. (4.54 kg)	Box	NSPG54525*	25 lb. (11.34 kg)	Bag
#546 Cape Gray	PBPG54610	10 lb. (4.54 kg)	Box	NSPG54625*	25 lb. (11.34 kg)	Bag
#640 Arctic White	PBPG64010	10 lb. (4.54 kg)	Box	NSPG64025*	25 lb. (11.34 kg)	Bag
#641 Cool White	PBPG64110	10 lb. (4.54 kg)	Box	NSPG64125*	25 lb. (11.34 kg)	Bag
#642 Ash	PBPG64210	10 lb. (4.54 kg)	Box	NSPG64225*	25 lb. (11.34 kg)	Bag
#643 Warm Gray	PBPG64310	10 lb. (4.54 kg)	Box	NSPG64325*	25 lb. (11.34 kg)	Bag
#644 Shadow	PBPG64410	10 lb. (4.54 kg)	Box	NSPG64425*	25 lb. (11.34 kg)	Bag
#645 Steel Blue	PBPG64510	10 lb. (4.54 kg)	Box	NSPG64525*	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	PBPG64610	10 lb. (4.54 kg)	Box	NSPG64625*	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	PBPG64710	10 lb. (4.54 kg)	Box	NSPG64725*	25 lb. (11.34 kg)	Bag

* Indicates special order item.

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
Canada Stock Colors						
#9 Natural Gray	CPBPG0910N	10 lb. (4.54 kg)	Box	CPBPG0925N*	25 lb. (11.34 kg)	Bag
#10 Antique White	CPBPG1010N	10 lb. (4.54 kg)	Box	CPBPG1025N*	25 lb. (11.34 kg)	Bag
#11 Snow White	CPBPG1110N	10 lb. (4.54 kg)	Box	CPBPG1125N*	25 lb. (11.34 kg)	Bag
#19 Pewter	CPBPG1910N	10 lb. (4.54 kg)	Box	CPBPG1925N*	25 lb. (11.34 kg)	Bag
#52 Tobacco Brown	CPBPG5210N	10 lb. (4.54 kg)	Box	CPBPG5225N*	25 lb. (11.34 kg)	Bag
#59 Saddle Brown	CPBPG5910N	10 lb. (4.54 kg)	Box	CPBPG5925N*	25 lb. (11.34 kg)	Bag
#60 Charcoal	CPBPG6010N	10 lb. (4.54 kg)	Box	CPBPG6025N*	25 lb. (11.34 kg)	Bag
#95 Sable Brown	CPBPG9510N	10 lb. (4.54 kg)	Box	CPBPG9525N*	25 lb. (11.34 kg)	Bag
#105 Earth	CPBPG10510N	10 lb. (4.54 kg)	Box	CPBPG10525N*	25 lb. (11.34 kg)	Bag
#115 Platinum	CPBPG11510N	10 lb. (4.54 kg)	Box	CPBPG11525N*	25 lb. (11.34 kg)	Bag
#122 Linen	CPBPG12210N	10 lb. (4.54 kg)	Box	CPBPG12225N*	25 lb. (11.34 kg)	Bag
#135 Mushroom	CPBPG13510N	10 lb. (4.54 kg)	Box	CPBPG13525N*	25 lb. (11.34 kg)	Bag
#145 Light Smoke	CPBPG14510N	10 lb. (4.54 kg)	Box	CPBPG14525N*	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	CPBPG16510N	10 lb. (4.54 kg)	Box	CPBPG16525N*	25 lb. (11.34 kg)	Bag
#172 Urban Putty	CPBPG17210N	10 lb. (4.54 kg)	Box	CPBPG17225N*	25 lb. (11.34 kg)	Bag
#183 Chateau	CPBPG18310N	10 lb. (4.54 kg)	Box	CPBPG18325N*	25 lb. (11.34 kg)	Bag
#185 New Taupe	CPBPG18510N	10 lb. (4.54 kg)	Box	CPBPG18525N*	25 lb. (11.34 kg)	Bag
#186 Khaki	CPBPG18610N	10 lb. (4.54 kg)	Box	CPBPG18625N*	25 lb. (11.34 kg)	Bag
#333 Alabaster	CPBPG33310N	10 lb. (4.54 kg)	Box	CPBPG33325N*	25 lb. (11.34 kg)	Bag
#335 Winter Gray	CPBPG33510N	10 lb. (4.54 kg)	Box	CPBPG33525N*	25 lb. (11.34 kg)	Bag
#370 Dove Gray	CPBPG37010N	10 lb. (4.54 kg)	Box	CPBPG37025N*	25 lb. (11.34 kg)	Bag
#380 Haystack	CPBPG38010N	10 lb. (4.54 kg)	Box	CPBPG38025N*	25 lb. (11.34 kg)	Bag
#381 Bright White	CPBPG38110N	10 lb. (4.54 kg)	Box	CPBPG38125N*	25 lb. (11.34 kg)	Bag
#382 Bone	CPBPG38210N	10 lb. (4.54 kg)	Box	CPBPG38225N*	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	CPBPG38610N	10 lb. (4.54 kg)	Box	CPBPG38625N*	25 lb. (11.34 kg)	Bag
#540 Truffle	CPBPG54010N	10 lb. (4.54 kg)	Box	CPBPG54025N*	25 lb. (11.34 kg)	Bag
#541 Walnut	CPBPG54110N	10 lb. (4.54 kg)	Box	CPBPG54125N*	25 lb. (11.34 kg)	Bag
#542 Graystone	CPBPG54210N	10 lb. (4.54 kg)	Box	CPBPG54225N*	25 lb. (11.34 kg)	Bag
#543 Driftwood	CPBPG54310N	10 lb. (4.54 kg)	Box	CPBPG54325N*	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	CPBPG54410N	10 lb. (4.54 kg)	Box	CPBPG54425N*	25 lb. (11.34 kg)	Bag
#545 Bleached Wood	CPBPG54510N	10 lb. (4.54 kg)	Box	CPBPG54525N*	25 lb. (11.34 kg)	Bag
#546 Cape Gray	CPBPG54610N	10 lb. (4.54 kg)	Box	CPBPG54625N*	25 lb. (11.34 kg)	Bag
#640 Arctic White	CPBPG64010N	10 lb. (4.54 kg)	Box	CPBPG64025N*	25 lb. (11.34 kg)	Bag
#641 Cool White	CPBPG64110N	10 lb. (4.54 kg)	Box	CPBPG64125N*	25 lb. (11.34 kg)	Bag
#642 Ash	CPBPG64210N	10 lb. (4.54 kg)	Box	CPBPG64225N*	25 lb. (11.34 kg)	Bag
#643 Warm Gray	CPBPG64310N	10 lb. (4.54 kg)	Box	CPBPG64325N*	25 lb. (11.34 kg)	Bag
#644 Shadow	CPBPG64410N	10 lb. (4.54 kg)	Box	CPBPG64425N*	25 lb. (11.34 kg)	Bag
#645 Steel Blue	CPBPG64510N	10 lb. (4.54 kg)	Box	CPBPG64525N*	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	CPBPG64610N	10 lb. (4.54 kg)	Box	CPBPG64625N*	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	CPBPG64710N	10 lb. (4.54 kg)	Box	CPBPG64725N*	25 lb. (11.34 kg)	Bag

* Indicates special order item.

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Coverage*

For 10 lb. box of Polyblend Non-sanded in ft² (m²) per bag

TILE SIZE	SQUARE FOOT COVERAGE PER 10 LB BOX (SQUARE METER COVERAGE PER 4.54 KG)	
	JOINT WIDTH	
Width x Length x Thickness		
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	40 ft ² (3.7 m ²)	23 ft ² (2.1 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	76 ft ² (7.1 m ²)	40 ft ² (3.7 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	112 ft ² (10.4 m ²)	58 ft ² (5.4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	156 ft ² (14.5 m ²)	80 ft ² (7.5 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	219 ft ² (20.3 m ²)	112 ft ² (10.4 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	194 ft ² (18 m ²)	98 ft ² (9.1 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	289 ft ² (26.8 m ²)	146 ft ² (13.6 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	432 ft ² (40.1 m ²)	217 ft ² (20.2 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	480 ft ² (44.6 m ²)	241 ft ² (22.4 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	575 ft ² (53.4 m ²)	289 ft ² (26.8 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	232 ft ² (15.2 m ²)	117 ft ² (10.9 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	384 ft ² (35.7 m ²)	194 ft ² (18 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	248 ft ² (23 m ²)	126 ft ² (11.7 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	346 ft ² (32.2 m ²)	175 ft ² (16.2 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	461 ft ² (42.8 m ²)	232 ft ² (21.5 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Polyblend® Sanded Grout

Product Description

A polymer-modified, cement based grout that produces hard, dense joints that resist shrinking, cracking and wear. Formulated for durability, Polyblend® Sanded Grout accommodates 1/8" to 1/2" (3 - 13 mm) joints for interior or exterior installations, including floors, countertops, walls, ceilings, showers, fountains and pools.

Key Features

- Easy to use - Just mix with water
- Polymer fortified for hard, durable, professional results

Uses

- Use to fill joint widths 1/8" to 1/2" (3 - 13 mm)
- May be used for both floor and wall installations
- Exterior and interior applications.
- Commercial and residential applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Composition of Product

Polyblend® Sanded Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.

Benefits of Product in the Installation

- Hard, dense grout joints
- Resists shrinking, cracking, powdering and wear



Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, metal, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. Polyblend® Non-Sanded Grout may be appropriate for joints up to 1/8" or for tile not suited for sanded grout.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.
- Color variation can occur due to tile type, tile porosity, jobsite conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Caulk or Polyblend® Ceramic Tile Caulk.

Packaging

- 1 lb. (.45 kg) tub
- 7 lb. (3.17 kg) box
- 25 lb. (11.34 kg) bag

25 lb bag and 7 lb box are available in 15 standard colors; color matching is available. 1 lb grout is available in 4 colors.

Technical Data

Applicable Standards

American National Standards Institute (ANSI) ANSI A108.10 & A118.6

of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength ISO 13007-3

Approvals

Polyblend® Sanded Grout meets or exceeds ANSI A118.6 standards.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot life			1 - 2 Hours
Shrinkage	A118.6 Section 4.3	< 0.20%	<0.20%
Water Absorption	A118.6 Section 4.4	< 10%	<10%
Compressive Strength	A118.6 Section 4.5	> 3000 psi	> 3000 psi
Tensile Strength	A118.6 Section 4.6	> 300 psi	> 300 psi
Flexural Strength	A118.6 Section 4.7	> 500 psi	> 500 psi

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Availability & Cost

ITEM CODE	SIZE	COLOR	PKG
USA			
PBG-091-4	1 lb. (.45 kg)	#9 Natural Gray	Tub
PBG-1221-4	1 lb. (.45 kg)	#122 Linen	Tub
PBG-3801-4	1 lb. (.45 kg)	#380 Haystack	Tub
TPBG-3821-4	1 lb. (.45 kg)	#382 Bone	Tub
Canada			
CPBG-091-4	1 lb. (.45 kg)	#9 Natural Gray	Tub
CPBG-1221-4	1 lb. (.45 kg)	#122 Linen	Tub
CPBG-3801-4	1 lb. (.45 kg)	#380 Haystack	Tub
CTPBG-3821-4	1 lb. (.45 kg)	#382 Bone	Tub

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
USA Stock Colors						
#9 Natural Gray	PBG097-4	7 lb. (3.17 kg)	Box	PBG0925	25 lb. (11.34 kg)	Bag
#11 Snow White	PBG117-4	7 lb. (3.17 kg)	Box	PBG1125	25 lb. (11.34 kg)	Bag
#19 Pewter	PBG197-4	7 lb. (3.17 kg)	Box	PBG1925	25 lb. (11.34 kg)	Bag
#60 Charcoal	PBG607-4	7 lb. (3.17 kg)	Box	PBG6025	25 lb. (11.34 kg)	Bag
#115 Platinum	PBG1157-4	7 lb. (3.17 kg)	Box	PBG11525	25 lb. (11.34 kg)	Bag
#122 Linen	PBG1227-4	7 lb. (3.17 kg)	Box	PBG12225	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	PBG1657-4	7 lb. (3.17 kg)	Box	PBG16525	25 lb. (11.34 kg)	Bag
#380 Haystack	PBG3807-4	7 lb. (3.17 kg)	Box	PBG38025	25 lb. (11.34 kg)	Bag
#381 Bright White	PBG3817-4	7 lb. (3.17 kg)	Box	PBG38125	25 lb. (11.34 kg)	Bag
#382 Bone	PBG3827-4	7 lb. (3.17 kg)	Box	PBG38225	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	PBG3867-4	7 lb. (3.17 kg)	Box	PBG38625	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	PBG5447-4	7 lb. (3.17 kg)	Box	PBG54425	25 lb. (11.34 kg)	Bag
#640 Arctic White	PBG6407-4	7 lb. (3.17 kg)	Box	PBG64025	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	PBG6467-4	7 lb. (3.17 kg)	Box	PBG64625	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	PBG6477-4	7 lb. (3.17 kg)	Box	PBG64725	25 lb. (11.34 kg)	Bag

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
Canada Stock Colors						
#9 Natural Gray	CPBG097-4	7 lb. (3.17 kg)	Box	CPBG0925	25 lb. (11.34 kg)	Bag
#11 Snow White	CPBG117-4	7 lb. (3.17 kg)	Box	CPBG1125	25 lb. (11.34 kg)	Bag
#19 Pewter	CPBG197-4	7 lb. (3.17 kg)	Box	CPBG1925	25 lb. (11.34 kg)	Bag
#60 Charcoal	CPBG607-4	7 lb. (3.17 kg)	Box	CPBG6025	25 lb. (11.34 kg)	Bag
#115 Platinum	CPBG1157-4	7 lb. (3.17 kg)	Box	CPBG11525	25 lb. (11.34 kg)	Bag
#122 Linen	CPBG1227-4	7 lb. (3.17 kg)	Box	CPBG12225	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	CPBG1657-4	7 lb. (3.17 kg)	Box	CPBG16525	25 lb. (11.34 kg)	Bag
#380 Haystack	CPBG3807-4	7 lb. (3.17 kg)	Box	CPBG38025	25 lb. (11.34 kg)	Bag
#381 Bright White	CPBG3817-4	7 lb. (3.17 kg)	Box	CPBG38125	25 lb. (11.34 kg)	Bag
#382 Bone	CPBG3827-4	7 lb. (3.17 kg)	Box	CPBG38225	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	CPBG3867-4	7 lb. (3.17 kg)	Box	CPBG38625	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	CPBG5447-4	7 lb. (3.17 kg)	Box	CPBG54425	25 lb. (11.34 kg)	Bag
#640 Arctic White	CPBG6407-4	7 lb. (3.17 kg)	Box	CPBG64025	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	CPBG6467-4	7 lb. (3.17 kg)	Box	CPBG64625	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	CPBG6477-4	7 lb. (3.17 kg)	Box	CPBG64725	25 lb. (11.34 kg)	Bag

Coverage*

For 25 lb. bag of Polyblend in ft² (m²) per bag

TILE SIZE Width x Length x Thickness	JOINT WIDTH				
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	54 ft ² (5 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)	27 ft ² (2.5 m ²)	24 ft ² (2.2 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	96 ft ² (8.9 m ²)	68 ft ² (6.3 m ²)	54 ft ² (5.0 m ²)	40 ft ² (3.7 m ²)	33 ft ² (3.1 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	138 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	74 ft ² (7 m ²)	54 ft ² (5 m ²)	43 ft ² (4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	192 ft ² (17.8 m ²)	131 ft ² (12.2 m ²)	101 ft ² (9.4 m ²)	71 ft ² (6.6 m ²)	56 ft ² (5.2 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	266 ft ² (24.7 m ²)	181 ft ² (16.8 m ²)	139 ft ² (12.9 m ²)	96 ft ² (8.9 m ²)	75 ft ² (7.0 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)	83 ft ² (7.7 m ²)	64 ft ² (6 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)	121 ft ² (11.2 m ²)	92 ft ² (8.6 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	462 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	518 ft ² (48.1 m ²)	348 ft ² (32.3 m ²)	262 ft ² (24.4 m ²)	177 ft ² (16.5 m ²)	135 ft ² (12.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	574 ft ² (53.4 m ²)	385 ft ² (35.8 m ²)	291 ft ² (27 m ²)	196 ft ² (18.2 m ²)	149 ft ² (13.8 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	688 ft ² (63.9 m ²)	461 ft ² (42.8 m ²)	348 ft ² (32.3 m ²)	234 ft ² (21.7 m ²)	177 ft ² (16.5 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)	98 ft ² (9.1 m ²)	75 ft ² (7 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	461 ft ² (42.8 m ²)	310 ft ² (28.8 m ²)	234 ft ² (21.7 m ²)	158 ft ² (14.7 m ²)	121 ft ² (11.2 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	299 ft ² (27.8 m ²)	202 ft ² (18.7 m ²)	153 ft ² (14.2 m ²)	104 ft ² (9.7 m ²)	80 ft ² (7.4 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	416 ft ² (38.6 m ²)	279 ft ² (26 m ²)	211 ft ² (19.6 m ²)	143 ft ² (13.3 m ²)	109 ft ² (10.2 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	552 ft ² (51.3 m ²)	370 ft ² (34.4 m ²)	279 ft ² (26 m ²)	189 ft ² (17.5 m ²)	143 ft ² (13.3 m ²)

For 7 lb box of Polyblend (sq ft/sq m per box)

TILE SIZE Width x Length x Thickness	JOINT WIDTH				
	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	15 ft ² (1.4 m ²)	11 ft ² (1 m ²)	9 ft ² (.9 m ²)	8 ft ² (.7 m ²)	7 ft ² (.6 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	27 ft ² (2.5 m ²)	19 ft ² (1.8 m ²)	15 ft ² (1.4 m ²)	11 ft ² (1 m ²)	9 ft ² (.9 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	39 ft ² (3.6 m ²)	27 ft ² (2.5 m ²)	21 ft ² (1.9 m ²)	15 ft ² (1.4 m ²)	12 ft ² (1.1 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	54 ft ² (5 m ²)	37 ft ² (3.4 m ²)	28 ft ² (2.6 m ²)	20 ft ² (1.9 m ²)	16 ft ² (1.5 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	74 ft ² (6.9 m ²)	51 ft ² (4.7 m ²)	39 ft ² (3.6 m ²)	27 ft ² (2.5 m ²)	21 ft ² (1.9 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	34 ft ² (3.1 m ²)	23 ft ² (2.2 m ²)	18 ft ² (1.7 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	97 ft ² (9 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)	34 ft ² (3.1 m ²)	26 ft ² (2.4 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	129 ft ² (12 m ²)	87 ft ² (8.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	34 ft ² (3.1 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	145 ft ² (13.5 m ²)	97 ft ² (9 m ²)	73 ft ² (6.8 m ²)	50 ft ² (4.6 m ²)	38 ft ² (3.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	161 ft ² (14.9 m ²)	108 ft ² (10 m ²)	81 ft ² (7.6 m ²)	55 ft ² (5.1 m ²)	42 ft ² (3.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	193 ft ² (17.9 m ²)	129 ft ² (12 m ²)	97 ft ² (9 m ²)	66 ft ² (6.1 m ²)	50 ft ² (4.6 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	78 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.7 m ²)	27 ft ² (2.5 m ²)	21 ft ² (2.0 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	129 ft ² (12 m ²)	87 ft ² (8.1 m ²)	66 ft ² (6.1 m ²)	44 ft ² (4.1 m ²)	34 ft ² (3.1 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	84 ft ² (7.8 m ²)	56 ft ² (5.2 m ²)	43 ft ² (4 m ²)	29 ft ² (2.7 m ²)	22 ft ² (2.1 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	116 ft ² (10.8 m ²)	78 ft ² (7.3 m ²)	59 ft ² (5.5 m ²)	40 ft ² (3.7 m ²)	31 ft ² (2.8 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	155 ft ² (14.4 m ²)	104 ft ² (9.6 m ²)	78 ft ² (7.3 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.7 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Polyblend® Non-Sanded Grout

Product Description

A polymer-modified grout designed for highly glazed or polished tile, marble and natural stone that would be scratched by sanded grouts. This durable, non-shrinking grout accommodates joints up to 1/8" (3.2 mm) and can be used for interior or exterior installations, including floors, countertops, walls, ceilings, showers, fountains and pools.

Key Features

- Easy to use - Just mix with water
- Polymer fortified for hard, durable, professional results

Uses

- Use to fill joint widths up to 1/8" (3.2 mm)
- May be used for both floor and wall installations
- Exterior and interior applications.
- Commercial and residential applications
- Countertops, tub surrounds, showers and high traffic areas
- Submerged conditions (swimming pools, spas, water features and fountains)

Suitable Tile Types

- Vitreous, semi-vitreous or non-vitreous tile: ceramic, mosaic, quarry, cement body tile
- Impervious porcelain and glass tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Composition of Product

Polyblend® Non-Sanded Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.

Benefits of Product in the Installation

- Hard, dense grout joints
- Resists shrinking, cracking, powdering and wear
- Excellent for highly-glazed ceramic tile and highly-polished marble or natural stone



Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.
- Color variation can occur due to tile type, tile porosity, jobsite conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for cleanup.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Caulk or Polyblend® Ceramic Tile Caulk.

Packaging

1 lb. (.45 kg) tub

10 lb. (4.54 kg) box

25 lb. (11.34 kg) bag

Available in 15 standard colors; color matching is available.

1 lb grout is available in 2 colors

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.10 and A118.6 American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength

Approvals

Polyblend® Non-Sanded Grout exceeds ANSI A118.6 standards.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot life			1 - 2 Hours
Shrinkage	A118.6 Section 4.3	< 0.30%	<0.30%
Water Absorption	A118.6 Section 4.4	< 18%	<18%
Compressive Strength	A118.6 Section 4.5	> 3000 psi	> 3000 psi
Tensile Strength	A118.6 Section 4.6	> 250 psi	> 250 psi
Flexural Strength	A118.6 Section 4.7	>500 psi	>500 psi

Environmental Considerations

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Availability & Cost

ITEM CODE	SIZE	COLOR	PKG
USA			
NSG1221-4	1 lb. (.45 kg)	#122 Linen	Tub
NSG3811-4	1 lb. (.45 kg)	#381 Bright White	Tub
Canada			
CNSG1221-4	1 lb. (.45 kg)	#122 Linen	Tub
CNSG3811-4	1 lb. (.45 kg)	#381 Bright White	Tub

Availability & Cost

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
USA Stock Colors						
#9 Natural Gray	PBG0910	10 lb. (4.54 kg)	Box	NSG0925*	25 lb. (11.34 kg)	Bag
#11 Snow White	PBG1110	10 lb. (4.54 kg)	Box	NSG1125*	25 lb. (11.34 kg)	Bag
#19 Pewter	PBG1910	10 lb. (4.54 kg)	Box	NSG1925*	25 lb. (11.34 kg)	Bag
#60 Charcoal	PBG6010	10 lb. (4.54 kg)	Box	NSG6025*	25 lb. (11.34 kg)	Bag
#115 Platinum	PBG11510	10 lb. (4.54 kg)	Box	NSG11525*	25 lb. (11.34 kg)	Bag
#122 Linen	PBG12210	10 lb. (4.54 kg)	Box	NSG12225*	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	PBG16510	10 lb. (4.54 kg)	Box	NSG16525*	25 lb. (11.34 kg)	Bag
#380 Haystack	PBG38010	10 lb. (4.54 kg)	Box	NSG38025*	25 lb. (11.34 kg)	Bag
#381 Bright White	PBG38110	10 lb. (4.54 kg)	Box	NSG38125*	25 lb. (11.34 kg)	Bag
#382 Bone	PBG38210	10 lb. (4.54 kg)	Box	NSG38225*	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	PBG38610	10 lb. (4.54 kg)	Box	NSG38625*	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	PBG54410	10 lb. (4.54 kg)	Box	NSG54425*	25 lb. (11.34 kg)	Bag
#640 Arctic White	PBG64010	10 lb. (4.54 kg)	Box	NSG64025*	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	PBG64610	10 lb. (4.54 kg)	Box	NSG64625*	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	PBG64710	10 lb. (4.54 kg)	Box	NSG64725*	25 lb. (11.34 kg)	Bag

* Indicates special order item.

COLOR	ITEM CODE	SIZE	PACKAGE	ITEM CODE	SIZE	PACKAGE
Canada Stock Colors						
#9 Natural Gray	CPBG0910	10 lb. (4.54 kg)	Box	CNSG0925*	25 lb. (11.34 kg)	Bag
#11 Snow White	CPBG1110	10 lb. (4.54 kg)	Box	CNSG1125*	25 lb. (11.34 kg)	Bag
#19 Pewter	CPBG1910	10 lb. (4.54 kg)	Box	CNSG1925*	25 lb. (11.34 kg)	Bag
#60 Charcoal	CPBG6010	10 lb. (4.54 kg)	Box	CNSG6025*	25 lb. (11.34 kg)	Bag
#115 Platinum	CPBG11510	10 lb. (4.54 kg)	Box	CNSG11525*	25 lb. (11.34 kg)	Bag
#122 Linen	CPBG12210	10 lb. (4.54 kg)	Box	CNSG12225*	25 lb. (11.34 kg)	Bag
#165 Delorean Gray	CPBG16510	10 lb. (4.54 kg)	Box	CNSG16525*	25 lb. (11.34 kg)	Bag
#380 Haystack	CPBG38010	10 lb. (4.54 kg)	Box	CNSG38025*	25 lb. (11.34 kg)	Bag
#381 Bright White	CPBG38110	10 lb. (4.54 kg)	Box	CNSG38125*	25 lb. (11.34 kg)	Bag
#382 Bone	CPBG38210	10 lb. (4.54 kg)	Box	CNSG38225*	25 lb. (11.34 kg)	Bag
#386 Oyster Gray	CPBG38610	10 lb. (4.54 kg)	Box	CNSG38625*	25 lb. (11.34 kg)	Bag
#544 Rolling Fog	CPBG54410	10 lb. (4.54 kg)	Box	CNSG54425*	25 lb. (11.34 kg)	Bag
#640 Arctic White	CPBG64010	10 lb. (4.54 kg)	Box	CNSG64025*	25 lb. (11.34 kg)	Bag
#646 Coffee Bean	CPBG64610	10 lb. (4.54 kg)	Box	CNSG64625*	25 lb. (11.34 kg)	Bag
#647 Brown Velvet	CPBG64710	10 lb. (4.54 kg)	Box	CNSG64725*	25 lb. (11.34 kg)	Bag

* Indicates special order item.

Coverage*

TILE SIZE	SQUARE FOOT COVERAGE PER 10 lb. BOX (SQUARE METER COVERAGE PER 4.54 KG)	
	JOINT WIDTH	
Width x Length x Thickness		
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	40 ft ² (3.7 m ²)	23 ft ² (2.1 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	76 ft ² (7.1 m ²)	40 ft ² (3.7 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	112 ft ² (10.4 m ²)	58 ft ² (5.4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	156 ft ² (14.5 m ²)	80 ft ² (7.5 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	219 ft ² (20.3 m ²)	112 ft ² (10.4 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	194 ft ² (18 m ²)	98 ft ² (9.1 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	289 ft ² (26.8 m ²)	146 ft ² (13.6 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	432 ft ² (40.1 m ²)	217 ft ² (20.2 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	480 ft ² (44.6 m ²)	241 ft ² (22.4 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	575 ft ² (53.4 m ²)	289 ft ² (26.8 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	232 ft ² (15.2 m ²)	117 ft ² (10.9 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	384 ft ² (35.7 m ²)	194 ft ² (18 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	248 ft ² (23 m ²)	126 ft ² (11.7 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	346 ft ² (32.2 m ²)	175 ft ² (16.2 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	461 ft ² (42.8 m ²)	232 ft ² (21.5 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Technical Data

Applicable Standards

Meets or exceeds ANSI A118.6 specifications.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot life			1 - 2 Hours
Shrinkage	A118.6 Section 4.3	< 0.30%	<0.10%
Water Absorption	A118.6 Section 4.4	< 18%	<16%
Compressive Strength	A118.6 Section 4.5	> 3000 psi	3,300 psi
Tensile Strength	A118.6 Section 4.6	> 250 psi	525 psi
Flexural Strength	A118.6 Section 4.7	>500 psi	>790 psi

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® v3 certification.

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
USA			
PBWDG25	25 lb. (11.34 kg)	White	Bag
Canada			
CPBWDG1-6	1 lb. (.45 kg)	White	Can
CPBWDG5-4	5 lb. (2.27 kg)	White	Box
CPBWDG10	10 lb. (4.54 kg)	White	Box
CPBWDG25	25 lb. (11.34 kg)	White	Bag

Product Maintenance

Clean with a pH-neutral cleaner such as Aqua Mix Concentrated Stone & Tile Cleaner or TileLab® Grout & Tile Cleaner.

Coverage*

TILE SIZE			SQUARE FOOT COVERAGE PER 5 lb. BOX (SQUARE METER COVERAGE PER 2.27 KG)	
			GROUT JOINT THICKNESS	
WIDTH	LENGTH	THICKNESS	1/16" (1.6 mm)	1/8" (3.2 mm)
1" (2.5 cm)	1" (2.5 cm)	1/4" (.64 cm)	20 (1.9)	11 (1)
2" (5 cm)	2" (5 cm)	1/4" (.64 cm)	38 (3.5)	20 (1.9)
4.25" (10.8 cm)	4.25" (10.8 cm)	1/4" (.64 cm)	78 (7.2)	40 (3.7)
6" (15.2 cm)	6" (15.2 cm)	1/4" (.64 cm)	110 (10.2)	56 (5.2)
12" (30.5 cm)	12" (30.5 cm)	3/8" (1 cm)	145 (13.5)	73 (6.8)
20" (50.8 cm)	20" (50.8 cm)	3/8" (1 cm)	240 (22.3)	121 (11.2)
6" (15.2 cm)	36" (91.4 cm)	3/8" (1 cm)	124 (11.5)	63 (5.9)
9" (22.9 cm)	36" (91.4 cm)	3/8" (1 cm)	173 (16.1)	87 (8.1)
12" (30.5 cm)	48" (122 cm)	3/8" (1 cm)	230 (21.4)	116 (10.8)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

White Dry Non-Sanded Grout

Product Description

White Dry Non-Sanded Grout is formulated for grouting porous floor and wall tiles with joints up to 1/8" (3.2 mm) wide. Ideal for use with glazed tile and polished marble that can be scratched by sanded grout. It can be used for interior and exterior applications. Meets ANSI A118.6 specifications.

Key Features

- Won't scratch highly glazed or polished tile or stone

Uses

- For grouting soft glazed tile, marble or other polished stone that could be scratched by sanded grouts
- For grout joints up to 1/8" (3.2 mm)
- Use on floors, countertops, walls, ceilings, showers, fountains and pools
- For interior or exterior installations

Suitable Tile Types

- Non-vitreous tile
- Natural stone tile

Composition of Product

Portland cement and fine fillers.

Benefits of Product in the Installation

- Economical Grout
- For joints up to 1/8" (3.2 mm)
- Non-shrinking



Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.
- Color variation can occur due to tile type, tile porosity, jobsite conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for clean-up.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

- 1 lb. (.45 kg) can
- 5 lb. (2.27 kg) box
- 25 lb. (11.34 kg) bag

Technical Data

Applicable Standards

Meets or exceeds ANSI A118.6 specifications.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot life			1 - 2 Hours
Shrinkage	A118.6 Section 4.3	< 0.30%	Pass
Water Absorption	A118.6 Section 4.4	< 18%	<15%
Compressive Strength	A118.6 Section 4.5	> 3000 psii	5000 psi
Tensile Strength	A118.6 Section 4.6	> 250 psi	Pass
Flexural Strength	A118.6 Section 4.7	>500 psi	Pass

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® v3 certification.

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

ITEM CODE	SIZE	COLOR	PACKAGE
USA			
WDG1-6	1 lb. (.45 kg)	White	Can
WDG5-4	5 lb. (2.27 kg)	White	Box
WDG25	25 lb. (11.34 kg)	White	Bag
Canada			
CWDG25	25 lb. (11.34 kg)	White	Bag

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Coverage*

TILE SIZE			SQUARE FOOT COVERAGE PER 25 LB BAG (SQUARE METER COVERAGE PER 11.34 KG)	
			GROUT JOINT THICKNESS	
WIDTH	LENGTH	THICKNESS	1/16" (1.6 mm)	1/8" (3.2 mm)
1" (2.5 cm)	1" (2.5 cm)	1/4" (.64 cm)	50 (4.6)	110 (10.2)
2" (5 cm)	2" (5 cm)	1/4" (.64 cm)	100 (9.2)	212 (19.6)
3" (7.6 cm)	3" (7.6 cm)	1/4" (.64 cm)	150 (13.9)	315 (29.2)
4.25" (10.8 cm)	4.25" (10.8 cm)	1/4" (.64 cm)	195 (18.1)	372 (34.5)
6" (15.2 cm)	6" (15.2 cm)	1/4" (.64 cm)	300 (27.8)	625 (58)
8" (20.3 cm)	8" (20.3 cm)	3/8" (1 cm)	275 (25.5)	550 (51)
12" (30.5 cm)	12" (30.5 cm)	3/8" (1 cm)	427 (39.6)	827 (30.1)
16" (40.6 cm)	16" (40.6 cm)	3/8" (1 cm)	462 (42.9)	925 (86)
20" (50.8 cm)	20" (50.8 cm)	3/8" (1 cm)	567 (52.6)	1132 (105.1)
24" (61 cm)	24" (61 cm)	3/8" (1 cm)	825 (76.6)	1647 (153)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Saltillo Grout Mix

Product Description

A pre-blended mixture of Portland cement, silica sand and pigments which eliminates the measuring and guesswork of site mixing or combining additional sand to conventional Portland cement grouts to compensate for wide grout joints used when setting terra-cotta, Saltillo or quarry tile.

Key Features

- Use with quarry, Saltillo and other natural clay pavers
- Pre-blended mix for wide joints

Suitable Tile Types

- Semi-vitreous or non-vitreous tile
- Brick and stone veneer
- Cement-based precast terrazzo
- Natural stone tile

Composition of Product

Saltillo Grout is a dry, Portland cement based grout with silica sand, inorganic aggregates and chemicals.

Benefits of Product in the Installation

- For joints from 1/2" - 1-1/4" (13 - 32 mm) wide
- Use with Saltillo, quarry and clay pavers
- Pre-blended mix for wide joints

Limitations to the Product

- Should not be installed when ambient or surface temperature is lower than 50°F (10°C) or higher than 100°F (38°C).
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. Polyblend® Plus Non-Sanded Grout may be appropriate for joints up to 1/8" (3.2 mm) or for tile not suited for sanded grout.
- Tile or stone with high absorption, surfaces that are porous or rough, textured surfaces and some types of porcelain tile may require sealing prior to grouting to prevent possible staining. Use Aqua Mix® Grout Release or TileLab® SurfaceGard® Sealer to prevent staining when required.



- Color variation can occur due to tile type, tile porosity, jobsite conditions, application and cleaning techniques. Variation can be minimized by following directions and using as little water as possible for clean-up.
- Not for use in either industrial applications or in areas subjected to harsh or continuous chemicals, high heat or high-pressure cleaning. For heavy industrial tile installations, use CEG-IG™ 100% Solids Epoxy Grout.
- Chemicals in salt-based pool filtration systems can cause a reaction with blue, green and red grouts. Contact Technical Services for recommendations.
- Not for use in movement joints or changes of plane in the tile installation. In these areas, use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

50 lb. (22.68 kg) bag

Technical Data

Applicable Standards

American National Standards Institute (ANSI) — ANSI A108.10 & A118.6 of the American National Standards for the Installation of Ceramic Tile

ASTM International (ASTM)

- ASTM C109 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM C531 Standard Test Method for Linear Shrinkage
- ASTM C580 Standard Test method for Flexural Strength

Approvals

Sattillo Grout meets or exceeds ANSI A118.6 standards.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Pot life			1 - 2 Hours
Shrinkage	A118.6 Section 4.3	< 0.20%	<0.8%
Water Absorption	A118.6 Section 4.4	< 10%	<8%
Compressive Strength	A118.6 Section 4.5	> 3000 psii	4650 psi (327 kg/cm ²)
Tensile Strength	A118.6 Section 4.6	> 300 psi	423 psi (29.7 kg/cm ²)
Flexural Strength	A118.6 Section 4.7	>500 psi	>990 psi (69.6 kg/cm ²)

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® v3 certification.

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

Contact the manufacturer or visit custombuildingproducts.com for information about product cost and availability.

ITEM CODE	SIZE	GROUT COLOR	PKG
SLGXXX50	50 lb. (22.68 kg)	40 colors available	Bag

Product Maintenance

Clean with a neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or Tilelab® Grout & Tile Cleaner.

Coverage*

TILE SIZE			SQUARE FOOT COVERAGE PER 50 LB BAG (SQUARE METER COVERAGE PER 22.68 KG)			
			GROUT JOINT THICKNESS			
WIDTH	LENGTH	THICKNESS	1/2" (13 mm)	3/4" (19 mm)	1" (25 mm)	1-1/4" (32 mm)
6" (15.2 cm)	6" (15.2 cm)	1/4" (.64 cm)	150 (13.9)	108 (10)	87 (8.1)	75 (6.9)
8" (20.3 cm)	8" (20.3 cm)	3/8" (1 cm)	128 (11.9)	90 (8.4)	72 (6.7)	61 (5.6)
12" (30.5 cm)	12" (30.5 cm)	3/8" (1 cm)	185 (17.2)	128 (11.9)	100 (9.3)	83 (7.7)
16" (40.6 cm)	16" (40.6 cm)	3/8" (1 cm)	241 (22.4)	166 (15.4)	128 (11.9)	106 (9.8)
18" (45.7 cm)	18" (45.7 cm)	3/8" (1 cm)	270 (25.1)	185 (17.2)	142 (13.2)	117 (10.9)
20" (50.8 cm)	20" (50.8 cm)	3/8" (1 cm)	298 (27.7)	204 (18.9)	156 (14.5)	128 (11.9)
24" (61 cm)	24" (61 cm)	3/8" (1 cm)	355 (33)	241 (22.4)	185 (17.2)	151 (14)
6" (15.2 cm)	24" (61 cm)	3/8" (1 cm)	151 (14)	105 (9.8)	83 (7.7)	69 (6.4)
12" (30.5 cm)	24" (61 cm)	3/8" (1 cm)	241 (22.4)	166 (15.4)	128 (11.9)	105 (9.8)
6" (15.2 cm)	36" (91.4 cm)	3/8" (1 cm)	160 (14.9)	112 (10.4)	87 (8.1)	73 (6.8)
9" (22.9 cm)	36" (91.4 cm)	3/8" (1 cm)	219 (20.3)	151 (14)	117 (10.8)	96 (8.9)
12" (30.5 cm)	48" (122 cm)	3/8" (1 cm)	287 (26.6)	196 (18.2)	151 (14)	123 (11.5)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

CEG-Lite™ 100% Solids Commercial Epoxy Grout

Product Description

CEG-Lite™ 100% Solids Commercial Epoxy Grout provides chemical and stain resistance with a fast cure time for a quick return to service. Its lightweight formula makes it easier to spread than typical epoxy grouts and is water-cleanable. CEG-Lite exceeds ANSI A118.3 performance requirements, is suitable for use on vertical joints without an additive, and can also be used as a mortar. Its two-component formula combines a Part A pigmented hardener with a Part B consisting of resins and lightweight aggregates. CEG-Lite is compatible with both CEG-Lite Part A and CEG Part A epoxy grout color pigment and hardener products.

Formula is patent-pending.

Key Features

- Color consistent, stain and chemical resistant
- Easy to spread and clean-up
- No sagging in vertical joints
- Contains recycled LEED® contributing materials

Uses

- CEG-Lite can be used as both a grout and as a setting mortar
- Use with virtually any tile - vitreous, semi-vitreous or impervious tile including ceramic, mosaic, quarry, pavers, cement, porcelain, glass, brick, mini-brick, precast terrazzo and natural stone, including green marble
- Use to fill joint widths from 1/16" to 1/2" (1.6 - 13 mm)
- May be used for both floor and wall installations
- Interior and exterior applications. When used as a grout on exterior applications, color variations may occur over time.
- Countertops, backsplashes, tub and shower areas, sunken tile tubs and swimming pools that are continually wet
- For use in areas requiring chemical resistance. For installations with high chemical resistance requirements, see chemical resistance chart for details.



- For commercial kitchens that may use harsh chemical cleaners and for installations in industrial settings, CUSTOM recommends CEG-IG™ 100% Solids Industrial Grade Epoxy Grout.

Suitable Substrates

(when used as a bonding mortar)

- Plumb and true masonry, concrete, cured Portland cement mortar beds
- Bonds directly to brick, ceramic tile, cementitious backer units, steel, glass and fiberglass

Composition of Product

2-part formula, with Part A pigmented liquid epoxy hardener and Part B liquid epoxy resin combined with aggregates

Benefits of Product in the Installation

- 2-Part 100% Solids Epoxy
- No shrinkage
- Color consistent and stain resistant
- Does not require sealing
- Easy to spread and water clean-up
- No additive needed for critical grouting applications
- Contains recycled materials that may contribute to LEED® credits
- Exceeds ANSI A118.3 (100% Epoxy) performance requirements

Limitations to the Product

- Should not be used in an environment with temperature requirements above 250°F (121°C) for any extended period of time.
- When used to install tile in an area that will be continually wet (e.g. swimming pools, gang showers, etc.), it is recommended that the complete installation be cured 14 days prior to full submersion with chemically treated water.
- Epoxy, epoxy residue, or wash water will discolor painted or anodized surfaces upon contact. Protect these surfaces from exposure.
- Should be tested for possible staining or slight color changes when used with porous, absorptive, textured tile and stone units such as rough textured ceramic tile, natural stone or marble.
- All epoxies are temperature sensitive. Epoxies are easiest to apply when temperatures are between 70°F and 85°F (21°C and 29°C). Lower temperatures will cause the epoxy to become stiff and more difficult to work and will extend initial set. Higher temperatures will cause the epoxy to become more fluid and will accelerate the set.
- With all epoxies, a crystallization effect can occur when the liquid gets below 45°F (7°C) and/or has experienced multiple cycles of high and low temperature changes. If material is hard, place the sealed container (with the lid on), in warm tap water at approximately 120°F (49°C) for 10 to 20 minutes, and when re-liquefied, let the material return to room temperature before mixing.
- Colors may be slightly different than shown on color samples. When color considerations are critical, a mock-up should be constructed prior to final selection and application.
- Not recommended in some manufacturing facilities where strong solvents are used. Consult Technical Services on questionable installations. CUSTOM recommends the use of CEG-IG 100% Solids Industrial Grade Epoxy Grout for these installations.
- The use of non-rinse, enzyme-based cleaners is not recommended because they will break down the organic materials in epoxy grout, causing permanent damage.
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. Polyblend® Plus Non-Sanded Grout may be appropriate for joints up to 1/8" (3.2 mm) or for tile not suited for sanded grout.
- Not for use in movement joints or changes of plane in the tile installation. In these areas use an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend Ceramic Tile Caulk.

Packaging

Grout mixture requires two separately-sold parts:

- Part A 1.3 lb. (.58 kg) container of pigmented liquid epoxy hardener, available in 40 standard colors
- Part B 19.4 lb. (8.8 kg) or 9.5 lb. (4.3 kg) liquid epoxy resin combined with aggregates

Technical Data

Applicable Standards

Detailed installation procedures and use of epoxy mortars may be found in the TCNA Handbook under F-114, F-115, F-116E, F-125, F-128, F-143, F-131, F-132, F-134, F-135, F-200, F-205, TR-712 and TR-713 and in addition, in ANSI A108.6. Exceeds ANSI A118.3 specifications. Conforms to requirements for chemical-resistant, water cleanable tile setting and grouting epoxy found in ANSI A108.6 and ANSI A118.3.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Water Cleanability	A118.3 Section 5.1	> 80 Minutes	> 80 Minutes
Initial Set	A118.3 Section 5.2	> 2 Hours	> 2 Hours
Shrinkage	A118.3 Section 5.3	< 0.25%	<0.8%
Sag in Vertical Joints	A118.3 Section 5.4	No Change	No Change
Shear Bond Strength to Quarry Tile	A118.3 Section 5.5	> 1000 psi	Pass
Compressive Strength	A118.3 Section 5.6	> 3500 psi	5,800 psi
Tensile Strength	A118.3 Section 5.7	> 1000 psi	1,700 psi
Thermal Shock Resistance	A118.3 Section 5.8	>500 psi	900 psi

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 2 points towards MR Credit 4, Recycled Content
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Product Maintenance

Clean with a pH-neutral cleaner such as Aqua Mix® Concentrated Stone & Tile Cleaner or TileLab® Grout & Tile Cleaner

Chemical Resistance Chart

28 DAY IMMERSION @ 23°C	TYPICAL RESULTS
Acids (Organic and Mineral)	
Acetic Acid, 10%	Pass
Citric Acid, 50%	Pass
Lactic Acid, 10%	Pass
Tartaric Acid, 50%	Pass
Tannic Acid, 50%	Pass
Benzoic Acid, 5%	Pass
Formic Acid, 5%	Pass
HCl, 36.5%	Pass
Nitric Acid, 30%	Pass
Phosphoric Acid, 80%	Pass
Sulfuric Acid, 50%	Pass
Alkalis	
Potassium Hydroxide, 45%	Pass
Sodium Hydroxide Saturated	Pass
Oxidizers/Bleach	
Sodium Hypochlorite, 5%	Pass
Potassium Permanganat, 10%	Pass
Hydrogen Peroxide	Pass
Water	
Mineral Water	Pass
Sea Water	Pass
Solvents	
Ethanol	Pass
Mineral Spirits	Pass
Methanol	Pass
Isopropanol	Pass
Cleaners	
Aqua Mix® Heavy Duty Tile & Grout Cleaner	Pass
Aqua Mix® Heavy Duty Tile & Grout Cleaner with olive oil	Pass
Aqua Mix® Heavy Duty Stripper & Cleaner	Pass
Aqua Mix® Heavy Duty Stripper & Cleaner with olive oil	Pass
Aqua Mix® 1 & 2 Deep Clean	Pass
Aqua Mix® 1 & 2 Deep Clean with olive oil	Pass

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA — PART A			
#9 Natural Gray	LWCEG09AT-EA	1.3 lb. (.58 kg)	Tub
#10 Antique White	LWCEG10AT-EA	1.3 lb. (.58 kg)	Tub
#11 Snow White	LWCEG11AT-EA	1.3 lb. (.58 kg)	Tub
#19 Pewter	LWCEG19AT-EA	1.3 lb. (.58 kg)	Tub
#52 Tobacco Brown	LWCEG52AT-EA	1.3 lb. (.58 kg)	Tub
#59 Saddle Brown	LWCEG59AT-EA	1.3 lb. (.58 kg)	Tub
#60 Charcoal	LWCEG60AT-EA	1.3 lb. (.58 kg)	Tub
#95 Sable Brown	LWCEG95AT-EA	1.3 lb. (.58 kg)	Tub
#105 Earth	LWCEG105AT-EA	1.3 lb. (.58 kg)	Tub
#115 Platinum	LWCEG115AT-EA	1.3 lb. (.58 kg)	Tub
#122 Linen	LWCEG122AT-EA	1.3 lb. (.58 kg)	Tub
#135 Mushroom	LWCEG135AT-EA	1.3 lb. (.58 kg)	Tub
#145 Light Smoke	LWCEG145AT-EA	1.3 lb. (.58 kg)	Tub
#165 Delorean Gray	LWCEG165AT-EA	1.3 lb. (.58 kg)	Tub
#172 Urban Putty	LWCEG172AT-EA	1.3 lb. (.58 kg)	Tub
#183 Chateau	LWCEG183AT-EA	1.3 lb. (.58 kg)	Tub
#185 New Taupe	LWCEG185AT-EA	1.3 lb. (.58 kg)	Tub
#186 Khaki	LWCEG186AT-EA	1.3 lb. (.58 kg)	Tub
#333 Alabaster	LWCEG333AT-EA	1.3 lb. (.58 kg)	Tub
#335 Winter Gray	LWCEG335AT-EA	1.3 lb. (.58 kg)	Tub
#370 Dove Gray	LWCEG370AT-EA	1.3 lb. (.58 kg)	Tub
#380 Haystack	LWCEG380AT-EA	1.3 lb. (.58 kg)	Tub
#381 Bright White	LWCEG381AT-EA	1.3 lb. (.58 kg)	Tub
#382 Bone	LWCEG382AT-EA	1.3 lb. (.58 kg)	Tub
#386 Oyster Gray	LWCEG386AT-EA	1.3 lb. (.58 kg)	Tub
#540 Truffle	LWCEG540AT-EA	1.3 lb. (.58 kg)	Tub
#541 Walnut	LWCEG541AT-EA	1.3 lb. (.58 kg)	Tub
#542 Graystone	LWCEG542AT-EA	1.3 lb. (.58 kg)	Tub
#543 Driftwood	LWCEG543AT-EA	1.3 lb. (.58 kg)	Tub
#544 Rolling Fog	LWCEG544AT-EA	1.3 lb. (.58 kg)	Tub
#545 Bleached Wood	LWCEG545AT-EA	1.3 lb. (.58 kg)	Tub
#546 Cape Gray	LWCEG546AT-EA	1.3 lb. (.58 kg)	Tub
#640 Arctic White	LWCEG640AT-EA	1.3 lb. (.58 kg)	Tub
#641 Cool White	LWCEG641AT-EA	1.3 lb. (.58 kg)	Tub
#642 Ash	LWCEG642AT-EA	1.3 lb. (.58 kg)	Tub
#643 Warm Gray	LWCEG643AT-EA	1.3 lb. (.58 kg)	Tub
#644 Shadow	LWCEG644AT-EA	1.3 lb. (.58 kg)	Tub
#645 Steel Blue	LWCEG645AT-EA	1.3 lb. (.58 kg)	Tub
#646 Coffee Bean	LWCEG646AT-EA	1.3 lb. (.58 kg)	Tub
#647 Brown Velvet	LWCEG647AT-EA	1.3 lb. (.58 kg)	Tub
USA — PART B			
N/A	LWCEGB1T-EA	9.5 lb. (4.3 kg)	Pail
N/A	LWCEGB2T	19.4 lb. (8.8 kg)	Pail

COLOR	ITEM CODE	SIZE	PKG
CANADA — PART A			
#9 Natural Gray	LWCEG09AT-EA	1.3 lb. (.58 kg)	Tub
#10 Antique White	LWCEG10AT-EA	1.3 lb. (.58 kg)	Tub
#11 Snow White	LWCEG11AT-EA	1.3 lb. (.58 kg)	Tub
#19 Pewter	LWCEG19AT-EA	1.3 lb. (.58 kg)	Tub
#52 Tobacco Brown	LWCEG52AT-EA	1.3 lb. (.58 kg)	Tub
#59 Saddle Brown	LWCEG59AT-EA	1.3 lb. (.58 kg)	Tub
#60 Charcoal	LWCEG60AT-EA	1.3 lb. (.58 kg)	Tub
#95 Sable Brown	LWCEG95AT-EA	1.3 lb. (.58 kg)	Tub
#105 Earth	LWCEG105AT-EA	1.3 lb. (.58 kg)	Tub
#115 Platinum	LWCEG115AT-EA	1.3 lb. (.58 kg)	Tub
#122 Linen	LWCEG122AT-EA	1.3 lb. (.58 kg)	Tub
#135 Mushroom	LWCEG135AT-EA	1.3 lb. (.58 kg)	Tub
#145 Light Smoke	LWCEG145AT-EA	1.3 lb. (.58 kg)	Tub
#165 Delorean Gray	LWCEG165AT-EA	1.3 lb. (.58 kg)	Tub
#172 Urban Putty	LWCEG172AT-EA	1.3 lb. (.58 kg)	Tub
#183 Chateau	LWCEG183AT-EA	1.3 lb. (.58 kg)	Tub
#185 New Taupe	LWCEG185AT-EA	1.3 lb. (.58 kg)	Tub
#186 Khaki	LWCEG186AT-EA	1.3 lb. (.58 kg)	Tub
#333 Alabaster	LWCEG333AT-EA	1.3 lb. (.58 kg)	Tub
#335 Winter Gray	LWCEG335AT-EA	1.3 lb. (.58 kg)	Tub
#370 Dove Gray	LWCEG370AT-EA	1.3 lb. (.58 kg)	Tub
#380 Haystack	LWCEG380AT-EA	1.3 lb. (.58 kg)	Tub
#381 Bright White	LWCEG381AT-EA	1.3 lb. (.58 kg)	Tub
#382 Bone	LWCEG382AT-EA	1.3 lb. (.58 kg)	Tub
#386 Oyster Gray	LWCEG386AT-EA	1.3 lb. (.58 kg)	Tub
#540 Truffle	LWCEG540AT-EA	1.3 lb. (.58 kg)	Tub
#541 Walnut	LWCEG541AT-EA	1.3 lb. (.58 kg)	Tub
#542 Graystone	LWCEG542AT-EA	1.3 lb. (.58 kg)	Tub
#543 Driftwood	LWCEG543AT-EA	1.3 lb. (.58 kg)	Tub
#544 Rolling Fog	LWCEG544AT-EA	1.3 lb. (.58 kg)	Tub
#545 Bleached Wood	LWCEG545AT-EA	1.3 lb. (.58 kg)	Tub
#546 Cape Gray	LWCEG546AT-EA	1.3 lb. (.58 kg)	Tub
#640 Arctic White	LWCEG640AT-EA	1.3 lb. (.58 kg)	Tub
#641 Cool White	LWCEG641AT-EA	1.3 lb. (.58 kg)	Tub
#642 Ash	LWCEG642AT-EA	1.3 lb. (.58 kg)	Tub
#643 Warm Gray	LWCEG643AT-EA	1.3 lb. (.58 kg)	Tub
#644 Shadow	LWCEG644AT-EA	1.3 lb. (.58 kg)	Tub
#645 Steel Blue	LWCEG645AT-EA	1.3 lb. (.58 kg)	Tub
#646 Coffee Bean	LWCEG646AT-EA	1.3 lb. (.58 kg)	Tub
#647 Brown Velvet	LWCEG647AT-EA	1.3 lb. (.58 kg)	Tub
CANADA — PART B			
N/A	CLWCEGB1-TEA	9.5 lb. (4.3 kg)	Pail
N/A	CLWCEGB2T	19.4 lb. (8.8 kg)	Pail

Coverage*

	PER UNIT CEG-LITE COMBINED 1 PART A + 1 PART B (9.5 LB. / 4.3 KG) IN FT ² (M ²). COVERAGE FOR LARGER SIZE (19 LB. / 8.8 KG) IS DOUBLE THE VALUES BELOW.					
TILE SIZE	JOINT WIDTH					
Width x Length x Thickness	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	52 ft ² (4.8 m ²)	29 ft ² (2.7 m ²)	21 ft ² (2 m ²)	18 ft ² (1.7 m ²)	14 ft ² (1.3 m ²)	13 ft ² (1.2 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	97 ft ² (9 m ²)	52 ft ² (4.8 m ²)	36 ft ² (3.4 m ²)	29 ft ² (2.7 m ²)	21 ft ² (2 m ²)	18 ft ² (1.7 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	143 ft ² (13.3 m ²)	74 ft ² (6.9 m ²)	52 ft ² (4.8 m ²)	40 ft ² (3.7 m ²)	29 ft ² (2.7 m ²)	23 ft ² (2.2 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	200 ft ² (18.6 m ²)	103 ft ² (9.6 m ²)	71 ft ² (6.6 m ²)	54 ft ² (5.1 m ²)	38 ft ² (3.6 m ²)	30 ft ² (2.8 m ²)
4" x 8" x 1/2" (10.2 x 20.3 x 1.3 cm)	125 ft ² (11.6 m ²)	64 ft ² (5.9 m ²)	44 ft ² (4.1 m ²)	33 ft ² (3.1 m ²)	23 ft ² (2.1 m ²)	18 ft ² (1.7 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	280 ft ² (26 m ²)	143 ft ² (13.3 m ²)	97 ft ² (9 m ²)	74 ft ² (6.9 m ²)	52 ft ² (4.8 m ²)	40 ft ² (3.7 m ²)
6" x 6" x 1/2" (15.2 x 15.2 x 1.3 cm)	140 ft ² (13 m ²)	71 ft ² (6.6 m ²)	49 ft ² (4.6 m ²)	37 ft ² (3.4 m ²)	26 ft ² (2.4 m ²)	20 ft ² (1.9 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	248 ft ² (23 m ²)	126 ft ² (11.7 m ²)	85 ft ² (7.9 m ²)	65 ft ² (6 m ²)	45 ft ² (4.2 m ²)	34 ft ² (3.2 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	369 ft ² (34.3 m ²)	187 ft ² (17.3 m ²)	126 ft ² (11.7 m ²)	95 ft ² (8.8 m ²)	65 ft ² (6 m ²)	50 ft ² (4.6 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	491 ft ² (45.6 m ²)	248 ft ² (23 m ²)	166 ft ² (15.4 m ²)	126 ft ² (11.7 m ²)	85 ft ² (7.9 m ²)	65 ft ² (6 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	552 ft ² (51.3 m ²)	278 ft ² (25.8 m ²)	187 ft ² (17.3 m ²)	141 ft ² (13.1 m ²)	95 ft ² (8.8 m ²)	72 ft ² (6.7 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	613 ft ² (56.9 m ²)	309 ft ² (28.7 m ²)	207 ft ² (19.2 m ²)	156 ft ² (14.5 m ²)	105 ft ² (9.8 m ²)	80 ft ² (7.4 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	735 ft ² (68.3 m ²)	369 ft ² (34.3 m ²)	248 ft ² (23 m ²)	187 ft ² (17.4 m ²)	126 ft ² (11.7 m ²)	95 ft ² (8.8 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	296 ft ² (27.5 m ²)	150 ft ² (13.9 m ²)	101 ft ² (9.4 m ²)	77 ft ² (7.1 m ²)	53 ft ² (4.9 m ²)	40 ft ² (3.8 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	491 ft ² (45.6 m ²)	248 ft ² (23 m ²)	166 ft ² (15.5 m ²)	126 ft ² (11.7 m ²)	85 ft ² (7.9 m ²)	65 ft ² (6 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	317 ft ² (29.4 m ²)	161 ft ² (15 m ²)	108 ft ² (10 m ²)	82 ft ² (7.6 m ²)	56 ft ² (5.2 m ²)	43 ft ² (4 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	443 ft ² (41.2 m ²)	223 ft ² (20.7 m ²)	150 ft ² (13.9 m ²)	114 ft ² (10.6 m ²)	77 ft ² (7.2 m ²)	59 ft ² (5.5 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	589 ft ² (54.7 m ²)	296 ft ² (27.5 m ²)	199 ft ² (18.5 m ²)	150 ft ² (13.9 m ²)	101 ft ² (9.4 m ²)	77 ft ² (7.2 m ²)

* Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

CEG-IG™ Industrial Grade 100% Solids Epoxy Grout

Product Description

CEG-IG™ is an industrial grade, water cleanable, 100% solids epoxy grout that has high chemical, temperature and stain resistance. It is formulated for harsh environments such as commercial kitchens and food processing facilities. CEG-IG is a two component epoxy system that combines a pigmented hardener with epoxy resins and recycled aggregates to fill joint widths from 1/16" to 1/2" (1.6 - 13 mm) and won't shrink or sag. With its fast cure time, CEG-IG provides a quick return to service. CEG-IG is compatible with both CEG-Lite™ Part A and CEG Part A epoxy grout color pigment and hardener products.

Key Features

- High chemical, stain and temperature resistance
- Formulated for harsh environments such as commercial kitchens and food processing facilities
- Water cleanable
- Fast curing

Uses

- CEG-IG can be used as both a grout and as a setting mortar
- Use with virtually any tile: vitreous, semi-vitreous or impervious tile including ceramic, mosaic, quarry, pavers, porcelain, brick, mini-brick and green marble
- Use to fill joint widths from 1/16" to 1/2" (1.6 - 13 mm)
- May be used for both floor and wall installations
- Interior and exterior applications. When used as a grout on exterior applications, color variations may occur over time.
- Floors, countertops, backsplashes, tubs and shower areas
- Excellent for use in chemical and food processing plants such as dairies, breweries, bottling plants, meat processing plants, restaurants, commercial kitchens, fast food restaurants, cafeterias, supermarkets and textile and metal finishing plants where the use of acids, alkalis, solvents, strong detergents, cleaners and other chemicals would normally cause erosion and damage to the setting beds and grout joints. See chemical resistance chart for details.



- Hospitals, clinics, pharmaceutical factories, laboratories and similar installations where clinical sanitation is maintained by harsh cleaning methods. See chemical resistance chart for details.

Suitable Substrates (when used as a bonding mortar)

- Plumb and true masonry, concrete, cured Portland mortar beds
- Bonds directly to brick, ceramic tile, cementitious backer units, steel, glass and fiberglass

Composition of Product

2-part formula, with part A pigmented liquid epoxy hardener and part B liquid epoxy resins combined with recycled aggregates

Benefits of Product in the Installation

- 2-Part 100% Solids Epoxy
- No shrinkage
- Color consistent, stain and chemical resistant
- Easy to spread and water clean-up
- No additive needed for critical grouting applications
- Contains recycled materials that may contribute to LEED® credits
- Exceeds ANSI 118.3 (100% Epoxy) and ANSI 118.5 (Furan) performance requirements
- Excellent resistance to industrial cleaners
- Excellent solvent resistance
- Excellent resistance to inorganic and organic acids
- Early return to service. As early as seven hour cure time at 75°F (23°C)

Limitations to the Product

- Should not be used in an environment with temperature requirements above 250°F (121°C) for any extended period of time.
- When used to install tile in an area that will be continually wet (e.g. swimming pools, gang showers, etc.), it is recommended that the complete installation be cured 14 days prior to full submersion with chemically treated water.
- Epoxy, epoxy residue, or wash water will discolor painted or anodized surfaces upon contact. Protect these surfaces from exposure.
- Should be tested for possible staining or slight color changes when used with porous, absorptive, textured tile and stone units such as rough textured ceramic tile, natural stone or marble.
- All epoxies are temperature sensitive. Epoxies are easiest to apply when temperatures are between 70°F and 85°F (21°C and 29°C). Lower temperatures will cause the epoxy to become stiff and more difficult to work and will extend initial set. Higher temperatures will cause the epoxy to become more fluid and will accelerate the set.
- With all epoxies, a crystallization effect can occur when the liquid gets below 45°F (7°C) and/or has experienced multiple cycles of high and low temperature changes. If material is hard, place the sealed container (with the lid on), in warm tap water at approximately 120°F (49°C) for 10 to 20 minutes, and when re-liquefied, let the material return to room temperature before mixing.
- Colors may be slightly different than shown on color samples. When color considerations are critical, a mock-up should be constructed prior to final selection and application.
- Some ceramic, glass, marble or stone tiles can be scratched or damaged by the silica aggregate filler. Perform a test on a small area prior to use. Polyblend® Non-Sanded Grout may be appropriate for joints up to 1/8" (3.2 mm) or for tile not suited for sanded grout.
- Not for use in movement joints or changes of plane in the tile installation. In these areas us an appropriate caulk or sealant such as Commercial 100% Silicone Sealant or Polyblend® Ceramic Tile Caulk.

Packaging

- Grout mixture requires two separately-sold parts:
- Part A 1.3 lb. (.58 kg) container of pigmented liquid epoxy hardener, available in 40 standard colors
 - Part B 27.7 lb. (12.56 kg) liquid epoxy resin combined with aggregates

Technical Data

Applicable Standards

Detailed installation procedures and use of epoxy mortars may be found in the TCNA Handbook under F-114, F-115, F-116E, F-125, F-128, F-143, F-131, F-132, F-134, F-135, F-200, F-205, TR-712 and TR-713 and in addition, in ANSI A108.6. Exceeds ANSI A118.3 specifications. Conforms to requirements for chemical-resistant, water cleanable tile setting and grouting epoxy found in ANSI A108.6 and ANSI A118.3.

Technical Chart

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Water Cleanability	A118.3 Section 5.1	> 80 Minutes	> 80 Minutes
Initial Set	A118.3 Section 5.2	> 2 Hours	6 Hours
Shrinkage	A118.3 Section 5.3	< 0.25%	<0.5%
Sag in Vertical Joints	A118.3 Section 5.4	No Change	No Change
Shear Bond Strength to Quarry Tile	A118.3 Section 5.5	> 1000 psi	>1300 psi
Compressive Strength	A118.3 Section 5.6	> 3500 psi	9500 psi
Tensile Strength	A118.3 Section 5.7	> 1000 psi	3200 psi
Thermal shock resistance	A118.3 Section 5.8	>500 psi	>1300 psi

ANSI A118.5 Properties

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
Compressive Strength	ASTM C579	>3000 psi	9500 psi
Tensile Strength	ASTM C307	>400 psi	3200 psi
Absorption	ASTM C413	<1%	<0%
Modulus of Rupture	ASTM C580	600 psi	7000 psi
Initial Set	ASTM C308	>5 Hours	6 Hours
Final Set	ASTM C308	<7 days	Pass
Working Time	ASTM C308	10 Minutes	40 Minutes
Bond Strength	ASTM C321	>150 psi	Pass
Linear Shrinkage	ASTM C531	< 1%	0.05%

Chemical Resistance Chart

28 DAY IMMERSION @ 23°C	TYPICAL RESULTS
Acids (Organic and Mineral)	
Acetic Acid, 10%	Pass
Citric Acid, 50%	Pass
Lactic Acid, 10%	Pass
Tartaric Acid, 50%	Pass
Tannic Acid, 50%	Pass
Benzoic Acid, 5%	Pass
Formic Acid, 5%	Pass
HCl, 36.5%	Pass
Nitric Acid, 30%	Pass
Phosphoric Acid, 80%	Pass
Sulfuric Acid, 50%	Pass
Oleic Acid 100%	Pass
50% Oleic Acid/Water	Pass
Alkalis	
Potassium Hydroxide, 45%	Pass
Sodium Hydroxide Saturated	Pass

Oxidizers/Bleach	
Sodium Hypochlorite, 5%	Pass
Potassium Permanganat, 10%	Pass
Hydrogen Peroxide	Pass
Water	
Mineral Water	Pass
Sea Water	Pass
Solvents	
Ethanol	Pass
Gasoline	Pass
Mineral Spirits	Pass
Methanol	Pass
Isopropanol	Pass
Toluene	Pass
Xylene	Pass
MEK	Pass
Cleaners	
Aqua Mix Heavy Duty Tile & Grout Cleaner	Pass
Aqua Mix Heavy Duty Tile & Grout Cleaner with olive oil	Pass
Aqua Mix Heavy Duty Stripper & Cleaner	Pass
Aqua Mix Heavy Duty Stripper & Cleaner with olive oil	Pass
Aqua Mix 1 & 2 Deep Clean	Pass
Aqua Mix 1 & 2 Deep Clean with olive oil	Pass
Sure Grip Cleaner	
Sure Grip Cleaner with olive oil	
Eco Lab Wash and Walk	

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA — PART A			
#9 Natural Gray	LWCEG09AT-EA	1.3 lb. (.58 kg)	Tub
#10 Antique White	LWCEG10AT-EA	1.3 lb. (.58 kg)	Tub
#11 Snow White	LWCEG11AT-EA	1.3 lb. (.58 kg)	Tub
#19 Pewter	LWCEG19AT-EA	1.3 lb. (.58 kg)	Tub
#52 Tobacco Brown	LWCEG52AT-EA	1.3 lb. (.58 kg)	Tub
#59 Saddle Brown	LWCEG59AT-EA	1.3 lb. (.58 kg)	Tub
#60 Charcoal	LWCEG60AT-EA	1.3 lb. (.58 kg)	Tub
#95 Sable Brown	LWCEG95AT-EA	1.3 lb. (.58 kg)	Tub
#105 Earth	LWCEG105AT-EA	1.3 lb. (.58 kg)	Tub
#115 Platinum	LWCEG115AT-EA	1.3 lb. (.58 kg)	Tub
#122 Linen	LWCEG122AT-EA	1.3 lb. (.58 kg)	Tub
#135 Mushroom	LWCEG135AT-EA	1.3 lb. (.58 kg)	Tub
#145 Light Smoke	LWCEG145AT-EA	1.3 lb. (.58 kg)	Tub
#165 Delorean Gray	LWCEG165AT-EA	1.3 lb. (.58 kg)	Tub
#172 Urban Putty	LWCEG172AT-EA	1.3 lb. (.58 kg)	Tub
#183 Chateau	LWCEG183AT-EA	1.3 lb. (.58 kg)	Tub
#185 New Taupe	LWCEG185AT-EA	1.3 lb. (.58 kg)	Tub
#186 Khaki	LWCEG186AT-EA	1.3 lb. (.58 kg)	Tub
#333 Alabaster	LWCEG333AT-EA	1.3 lb. (.58 kg)	Tub
#335 Winter Gray	LWCEG335AT-EA	1.3 lb. (.58 kg)	Tub
#370 Dove Gray	LWCEG370AT-EA	1.3 lb. (.58 kg)	Tub
#380 Haystack	LWCEG380AT-EA	1.3 lb. (.58 kg)	Tub
#381 Bright White	LWCEG381AT-EA	1.3 lb. (.58 kg)	Tub
#382 Bone	LWCEG382AT-EA	1.3 lb. (.58 kg)	Tub
#386 Oyster Gray	LWCEG386AT-EA	1.3 lb. (.58 kg)	Tub
#540 Truffle	LWCEG540AT-EA	1.3 lb. (.58 kg)	Tub
#541 Walnut	LWCEG541AT-EA	1.3 lb. (.58 kg)	Tub
#542 Graystone	LWCEG542AT-EA	1.3 lb. (.58 kg)	Tub
#543 Driftwood	LWCEG543AT-EA	1.3 lb. (.58 kg)	Tub
#544 Rolling Fog	LWCEG544AT-EA	1.3 lb. (.58 kg)	Tub
#545 Bleached Wood	LWCEG545AT-EA	1.3 lb. (.58 kg)	Tub
#546 Cape Gray	LWCEG546AT-EA	1.3 lb. (.58 kg)	Tub
#640 Arctic White	LWCEG640AT-EA	1.3 lb. (.58 kg)	Tub
#641 Cool White	LWCEG641AT-EA	1.3 lb. (.58 kg)	Tub
#642 Ash	LWCEG642AT-EA	1.3 lb. (.58 kg)	Tub
#643 Warm Gray	LWCEG643AT-EA	1.3 lb. (.58 kg)	Tub
#644 Shadow	LWCEG644AT-EA	1.3 lb. (.58 kg)	Tub
#645 Steel Blue	LWCEG645AT-EA	1.3 lb. (.58 kg)	Tub
#646 Coffee Bean	LWCEG646AT-EA	1.3 lb. (.58 kg)	Tub
#647 Brown Velvet	LWCEG647AT-EA	1.3 lb. (.58 kg)	Tub
USA — PART B			
N/A	CEGIGB2	27.7 lbs (12.56 kg)	Pail

COLOR	ITEM CODE	SIZE	PKG
CANADA — PART A			
#9 Natural Gray	LWCEG09AT-EA	1.3 lb. (.58 kg)	Tub
#10 Antique White	LWCEG10AT-EA	1.3 lb. (.58 kg)	Tub
#11 Snow White	LWCEG11AT-EA	1.3 lb. (.58 kg)	Tub
#19 Pewter	LWCEG19AT-EA	1.3 lb. (.58 kg)	Tub
#52 Tobacco Brown	LWCEG52AT-EA	1.3 lb. (.58 kg)	Tub
#59 Saddle Brown	LWCEG59AT-EA	1.3 lb. (.58 kg)	Tub
#60 Charcoal	LWCEG60AT-EA	1.3 lb. (.58 kg)	Tub
#95 Sable Brown	LWCEG95AT-EA	1.3 lb. (.58 kg)	Tub
#105 Earth	LWCEG105AT-EA	1.3 lb. (.58 kg)	Tub
#115 Platinum	LWCEG115AT-EA	1.3 lb. (.58 kg)	Tub
#122 Linen	LWCEG122AT-EA	1.3 lb. (.58 kg)	Tub
#135 Mushroom	LWCEG135AT-EA	1.3 lb. (.58 kg)	Tub
#145 Light Smoke	LWCEG145AT-EA	1.3 lb. (.58 kg)	Tub
#165 Delorean Gray	LWCEG165AT-EA	1.3 lb. (.58 kg)	Tub
#172 Urban Putty	LWCEG172AT-EA	1.3 lb. (.58 kg)	Tub
#183 Chateau	LWCEG183AT-EA	1.3 lb. (.58 kg)	Tub
#185 New Taupe	LWCEG185AT-EA	1.3 lb. (.58 kg)	Tub
#186 Khaki	LWCEG186AT-EA	1.3 lb. (.58 kg)	Tub
#333 Alabaster	LWCEG333AT-EA	1.3 lb. (.58 kg)	Tub
#335 Winter Gray	LWCEG335AT-EA	1.3 lb. (.58 kg)	Tub
#370 Dove Gray	LWCEG370AT-EA	1.3 lb. (.58 kg)	Tub
#380 Haystack	LWCEG380AT-EA	1.3 lb. (.58 kg)	Tub
#381 Bright White	LWCEG381AT-EA	1.3 lb. (.58 kg)	Tub
#382 Bone	LWCEG382AT-EA	1.3 lb. (.58 kg)	Tub
#386 Oyster Gray	LWCEG386AT-EA	1.3 lb. (.58 kg)	Tub
#540 Truffle	LWCEG540AT-EA	1.3 lb. (.58 kg)	Tub
#541 Walnut	LWCEG541AT-EA	1.3 lb. (.58 kg)	Tub
#542 Graystone	LWCEG542AT-EA	1.3 lb. (.58 kg)	Tub
#543 Driftwood	LWCEG543AT-EA	1.3 lb. (.58 kg)	Tub
#544 Rolling Fog	LWCEG544AT-EA	1.3 lb. (.58 kg)	Tub
#545 Bleached Wood	LWCEG545AT-EA	1.3 lb. (.58 kg)	Tub
#546 Cape Gray	LWCEG546AT-EA	1.3 lb. (.58 kg)	Tub
#640 Arctic White	LWCEG640AT-EA	1.3 lb. (.58 kg)	Tub
#641 Cool White	LWCEG641AT-EA	1.3 lb. (.58 kg)	Tub
#642 Ash	LWCEG642AT-EA	1.3 lb. (.58 kg)	Tub
#643 Warm Gray	LWCEG643AT-EA	1.3 lb. (.58 kg)	Tub
#644 Shadow	LWCEG644AT-EA	1.3 lb. (.58 kg)	Tub
#645 Steel Blue	LWCEG645AT-EA	1.3 lb. (.58 kg)	Tub
#646 Coffee Bean	LWCEG646AT-EA	1.3 lb. (.58 kg)	Tub
#647 Brown Velvet	LWCEG647AT-EA	1.3 lb. (.58 kg)	Tub
CANADA — PART B			
N/A	CCEGIGB2	27.7 lbs (12.56 kg)	Pail

Product Maintenance

For routine cleaning, use Aqua Mix® Concentrated Stone & Tile Cleaner or degreasing cleaners like Aqua Mix Heavy Duty Tile & Grout Cleaner or Aqua Mix 1&2 Deep Clean.

Coverage*

TILE SIZE Width x Length x Thickness	PER UNIT OF CEG-IG (2 PART A + 1 PART B) IN FT ² (M ²)					
	JOINT WIDTH					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6.3 mm)	3/8" (9.5 mm)	1/2" (13 mm)
1" x 1" x 1/4" (2.5 x 2.5 x .64 cm)	103 ft ² (9.6 m ²)	58 ft ² (5.4 m ²)	43 ft ² (4 m ²)	36 ft ² (3.3 m ²)	29 ft ² (2.7 m ²)	26 ft ² (2.4 m ²)
2" x 2" x 1/4" (5 x 5 x .64 cm)	194 ft ² (18.1 m ²)	103 ft ² (9.6 m ²)	73 ft ² (6.8 m ²)	58 ft ² (5.4 m ²)	43 ft ² (4 m ²)	36 ft ² (3.3 m ²)
3" x 3" x 1/4" (7.6 x 7.6 x .64 cm)	286 ft ² (26.6 m ²)	149 ft ² (13.8 m ²)	103 ft ² (9.6 m ²)	80 ft ² (7.4 m ²)	58 ft ² (5.4 m ²)	47 ft ² (4.4 m ²)
4.25" x 4.25" x 1/4" (10.8 x 10.8 x .64 cm)	400 ft ² (37.2 m ²)	206 ft ² (19.1 m ²)	141 ft ² (13.1 m ²)	109 ft ² (10.1 m ²)	77 ft ² (7.1 m ²)	61 ft ² (5.6 m ²)
4" x 8" x 1/2" (10.2 x 20.3 x 1.3 cm)	249 ft ² (23.1 m ²)	128 ft ² (11.9 m ²)	87 ft ² (8.1 m ²)	67 ft ² (6.2 m ²)	47 ft ² (4.4 m ²)	36 ft ² (3.3 m ²)
6" x 6" x 1/4" (15.2 x 15.2 x .64 cm)	560 ft ² (52 m ²)	286 ft ² (26.5 m ²)	194 ft ² (18.1 m ²)	149 ft ² (13.8 m ²)	103 ft ² (9.6 m ²)	80 ft ² (7.5 m ²)
6" x 6" x 1/2" (15.2 x 15.2 x 1.3 cm)	280 ft ² (26 m ²)	143 ft ² (13.3 m ²)	97 ft ² (9 m ²)	74 ft ² (6.9 m ²)	52 ft ² (4.8 m ²)	40 ft ² (3.7 m ²)
8" x 8" x 3/8" (20.3 x 20.3 x 1 cm)	495 ft ² (46 m ²)	251 ft ² (23.3 m ²)	170 ft ² (15.8 m ²)	130 ft ² (12.1 m ²)	89 ft ² (8.3 m ²)	69 ft ² (6.4 m ²)
12" x 12" x 3/8" (30.5 x 30.5 x 1 cm)	739 ft ² (68.6 m ²)	373 ft ² (34.7 m ²)	251 ft ² (23.4 m ²)	191 ft ² (17.7 m ²)	130 ft ² (12 m ²)	99 ft ² (9.2 m ²)
16" x 16" x 3/8" (40.6 x 40.6 x 1 cm)	983 ft ² (91.3 m ²)	495 ft ² (46 m ²)	333 ft ² (30.9 m ²)	251 ft ² (23.3 m ²)	170 ft ² (15.8 m ²)	130 ft ² (12.1 m ²)
18" x 18" x 3/8" (45.7 x 45.7 x 1 cm)	1104 ft ² (102.6 m ²)	556 ft ² (51.7 m ²)	373 ft ² (34.7 m ²)	282 ft ² (26.2 m ²)	191 ft ² (17.7 m ²)	145 ft ² (13.5 m ²)
20" x 20" x 3/8" (50.8 x 50.8 x 1 cm)	1226 ft ² (113.9 m ²)	617 ft ² (57.3 m ²)	414 ft ² (38.5 m ²)	312 ft ² (29 m ²)	211 ft ² (19.6 m ²)	160 ft ² (14.9 m ²)
24" x 24" x 3/8" (61 x 61 x 1 cm)	1470 ft ² (136.6 m ²)	739 ft ² (68.7 m ²)	495 ft ² (46 m ²)	373 ft ² (34.7 m ²)	251 ft ² (23.3 m ²)	191 ft ² (17.7 m ²)
6" x 24" x 3/8" (15.2 x 61 x 1 cm)	593 ft ² (55.1 m ²)	300 ft ² (27.9 m ²)	203 ft ² (18.8 m ²)	154 ft ² (14.3 m ²)	105 ft ² (9.8 m ²)	81 ft ² (7.5 m ²)
12" x 24" x 3/8" (30.5 x 61 x 1 cm)	983 ft ² (91.3 m ²)	495 ft ² (46 m ²)	333 ft ² (30.9 m ²)	251 ft ² (23.4 m ²)	170 ft ² (15.8 m ²)	130 ft ² (12 m ²)
6" x 36" x 3/8" (15.2 x 91.4 x 1 cm)	634 ft ² (58.9 m ²)	321 ft ² (29.8 m ²)	217 ft ² (20.2 m ²)	164 ft ² (15.2 m ²)	112 ft ² (10.4 m ²)	86 ft ² (8 m ²)
9 x 36" x 3/8" (22.9 x 91.4 x 1 cm)	885 ft ² (82.2 m ²)	446 ft ² (41.4 m ²)	300 ft ² (27.9 m ²)	227 ft ² (21.1 m ²)	154 ft ² (14.3 m ²)	117 ft ² (10.9 m ²)
12" x 48" x 3/8" (30.5 x 122 x 1 cm)	1178 ft ² (109.4 m ²)	593 ft ² (55.1 m ²)	398 ft ² (37 m ²)	300 ft ² (27.9 m ²)	203 ft ² (18.9 m ²)	154 ft ² (14.3 m ²)

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Commercial 100% Silicone Sealant

Product Description

Our Commercial 100% Silicone Sealant is permanently flexible and is designed for use in coves, corners, changes in plane and expansion joints associated with exterior or interiors applications of tile and stone. Can be used in pools and other wet applications. Conforms to ASTM C-920, Type S, Grade NS, Class 25, Use T, NT, A, I, M and G, ASTM C1248 and ASTM C-794 properties. Meets or exceeds TCNA EJ171 Movement Joint Guidelines for Ceramic, Glass & Stone. Ideal for use with Porcelain tile.



Key Features

- Suitable for expansion joints, wet and submerged areas

Uses

- Joints for ceramic tile and stone applications
- Expansion joints in residential and commercial applications including those in traffic areas
- Exterior and interior use
- Swimming pools and other wet area applications
- Around tubs, showers and sinks

Composition of Product

- 100% silicone resins and fine fillers

Benefits of Product in the Installation

- For use in coves, corners, changes in plane and expansion joints
- Exterior and interior applications of tile and stone
- Use in pools and other wet area applications
- Conforms to ASTM C-920, ASTM C1248 and ASTM C-794 properties

Limitations to the Product

- Joint depth should not exceed 1/2" (13 mm)
- Joint width should not exceed 1" (2.5 cm)
- Material will stain some stones. Test small area before installation.
- 100% Silicone passes non-staining testing per ASTM C920 and has also passed ASTM C1248 with tested stones. Due to cleaners used on site and other unknown factors, staining may occur. Please perform test to replicate usage.

Packaging

10.1 oz (300 ml) cartridge

Technical Data

Applicable Standards

Meets the requirements of ASTM C-920, ASTM C1248 and TCNA EJ 171

Technical Chart

Tack Free Time (ASTM C-679)	15-20 minutes
Sag / Slump (ASTM C-639)	< 3 mm
Shore A Hardness (ASTM C-661)	35
Service Temperature Range	-60 to +300°F
Tensile Strength (ASTM D-412)	140 psi
Elongation (ASTM D-412)	350%
Joint Movement (ASTM C-719)	+/- 25%

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
#000 Clear	CCSC000	10.1 oz (300 ml)	Cartridge
#9 Natural Gray	CCSC09	10.1 oz (300 ml)	Cartridge
#10 Antique White	CCSC10	10.1 oz (300 ml)	Cartridge
#11 Snow White	CCSC11	10.1 oz (300 ml)	Cartridge
#19 Pewter	CCSC19	10.1 oz (300 ml)	Cartridge
#52 Tobacco Brown	CCSC52	10.1 oz (300 ml)	Cartridge
#59 Saddle Brown	CCSC59	10.1 oz (300 ml)	Cartridge
#60 Charcoal	CCSC60	10.1 oz (300 ml)	Cartridge
#95 Sable Brown	CCSC95	10.1 oz (300 ml)	Cartridge
#105 Earth	CCSC105	10.1 oz (300 ml)	Cartridge
#115 Platinum	CCSC115	10.1 oz (300 ml)	Cartridge
#122 Linen	CCSC122	10.1 oz (300 ml)	Cartridge
#135 Mushroom	CCSC135	10.1 oz (300 ml)	Cartridge
#145 Light Smoke	CCSC145	10.1 oz (300 ml)	Cartridge
#165 Delorean Gray	CCSC165	10.1 oz (300 ml)	Cartridge
#172 Urban Putty	CCSC172	10.1 oz (300 ml)	Cartridge
#183 Chateau	CCSC183	10.1 oz (300 ml)	Cartridge
#185 New Taupe	CCSC185	10.1 oz (300 ml)	Cartridge
#186 Khaki	CCSC185	10.1 oz (300 ml)	Cartridge
#333 Alabaster	CCSC333	10.1 oz (300 ml)	Cartridge
#335 Winter Gray	CCSC335	10.1 oz (300 ml)	Cartridge
#370 Dove Gray	CCSC370	10.1 oz (300 ml)	Cartridge
#380 Haystack	CCSC380	10.1 oz (300 ml)	Cartridge
#381 Bright White	CCSC381	10.1 oz (300 ml)	Cartridge
#382 Bone	CCSC382	10.1 oz (300 ml)	Cartridge
#386 Oyster Gray	CCSC386	10.1 oz (300 ml)	Cartridge
#540 Truffle	CCSC540	10.1 oz (300 ml)	Cartridge
#541 Walnut	CCSC541	10.1 oz (300 ml)	Cartridge
#542 Graystone	CCSC542	10.1 oz (300 ml)	Cartridge
#543 Driftwood	CCSC543	10.1 oz (300 ml)	Cartridge
#544 Rolling Fog	CCSC544	10.1 oz (300 ml)	Cartridge
#545 Bleached Wood	CCSC545	10.1 oz (300 ml)	Cartridge
#546 Cape Gray	CCSC546	10.1 oz (300 ml)	Cartridge
#640 Arctic White	CCSC640	10.1 oz (300 ml)	Cartridge
#641 Cool White	CCSC641	10.1 oz (300 ml)	Cartridge
#642 Ash	CCSC642	10.1 oz (300 ml)	Cartridge
#643 Warm Gray	CCSC643	10.1 oz (300 ml)	Cartridge
#644 Shadow	CCSC644	10.1 oz (300 ml)	Cartridge
#645 Steel Blue	CCSC645	10.1 oz (300 ml)	Cartridge
#646 Coffee Bean	CCSC646	10.1 oz (300 ml)	Cartridge
#647 Brown Velvet	CCSC647	10.1 oz (300 ml)	Cartridge

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants

Product Maintenance

Clean with a neutral cleaner such as TileLab® Grout & Tile Cleaner

Coverage*

SIZE	COVERAGE
10.1 oz. (300 ml)	24 lineal feet (7.3 m) of 1/4" x 1/4" (6 x 6 mm) joint

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Ceramic Tile Caulk

Product Description

Our ceramic tile caulk is for caulking around sinks, tubs, showers and where tile meets tile or another surface. Also adheres bath fixtures and loose tile. Do not use to install grab bars. Maximum joint width and depth should not exceed 1/4" (6 mm). Do not use in areas with constant water exposure. For interior use only.

Key Features

- Use around tubs and sinks
- Use where horizontal and vertical surfaces meet
- Siliconized for ease of use

Suitable Tile Types

- Around tubs, showers and sinks
- Bonds bath fixtures and loose tiles

Composition of Product

Siliconized acrylic latex resins with fine fillers and colored pigments.

Benefits of Product in the Installation

- For caulking around sinks, tubs and showers
- Adheres bath fixtures and loose tile
- For joint up to 1/4" (6 mm) wide and deep
- For interior use
- Available in sanded to match grout texture
- Mold and mildew resistant

Limitations to the Product

- Do not use to install grab bars.
- Maximum joint width and depth should not exceed 1/4" (6 mm).
- Do not use in areas with constant water exposure



Packaging

10.5 oz (310 ml) cartridge

Technical Data

Technical Chart

Tack Free Time (ASTM C-679)	30 minutes
Paintable	>Yes
Slump	< 0.15 mm
Shrinkage	< 30%
Stain Resistance	Excellent
Crack Resistance	Excellent
pH	7-9

Environmental Considerations

Custom Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product can contribute towards LEED® v3 certification:

- Up to 2 points towards MR Credit 5, Regional Materials
- Up to 1 point towards IEQ Credit 4.1, Low-Emitting Materials - Adhesives & Sealants

Availability & Cost

COLOR	ITEM CODE	SIZE	PKG
USA			
#9 Natural Gray	PC0910S-6	10.5 oz (310 ml)	Cartridge
#11 Snow White	PC1110S-6	10.5 oz (310 ml)	Cartridge
#19 Pewter	PC1910S-6	10.5 oz (310 ml)	Cartridge
#60 Charcoal	PC6010S-6	10.5 oz (310 ml)	Cartridge
#115 Platinum	PC11510S-6	10.5 oz (310 ml)	Cartridge
#122 Linen	PC12210S-6	10.5 oz (310 ml)	Cartridge
#165 Delorean Gray	PC16510S-6	10.5 oz (310 ml)	Cartridge
#380 Haystack	PC38010S-6	10.5 oz (310 ml)	Cartridge
#381 Bright White	PC38110S-6	10.5 oz (310 ml)	Cartridge
#382 Bone	PC38210S-6	10.5 oz (310 ml)	Cartridge
#386 Oyster Gray	PC38610S-6	10.5 oz (310 ml)	Cartridge
#544 Rolling Fog	PC54410S-6	10.5 oz (310 ml)	Cartridge
#640 Arctic White	PC64010S-6	10.5 oz (310 ml)	Cartridge
#646 Coffee Bean	PC64610S-6	10.5 oz (310 ml)	Cartridge
#647 Brown Velvet	PC64710S-6	10.5 oz (310 ml)	Cartridge

COLOR	ITEM CODE	SIZE	PKG
Canada			
#9 Natural Gray	CPC0910S-6	10.5 oz (310 ml)	Cartridge
#11 Snow White	CPC1110S-6	10.5 oz (310 ml)	Cartridge
#19 Pewter	CPC1910S-6	10.5 oz (310 ml)	Cartridge
#60 Charcoal	CPC6010S-6	10.5 oz (310 ml)	Cartridge
#115 Platinum	CPC11510S-6	10.5 oz (310 ml)	Cartridge
#122 Linen	CPC12210S-6	10.5 oz (310 ml)	Cartridge
#165 Delorean Gray	CPC16510S-6	10.5 oz (310 ml)	Cartridge
#380 Haystack	CPC38010S-6	10.5 oz (310 ml)	Cartridge
#381 Bright White	CPC38110S-6	10.5 oz (310 ml)	Cartridge
#382 Bone	CPC38210S-6	10.5 oz (310 ml)	Cartridge
#386 Oyster Gray	CPC38610S-6	10.5 oz (310 ml)	Cartridge
#544 Rolling Fog	CPC54410S-6	10.5 oz (310 ml)	Cartridge
#640 Arctic White	CPC64010S-6	10.5 oz (310 ml)	Cartridge
#646 Coffee Bean	CPC64610S-6	10.5 oz (310 ml)	Cartridge
#647 Brown Velvet	CPC64710S-6	10.5 oz (310 ml)	Cartridge

Product Maintenance

Clean with a pH-neutral cleaner such as TileLab® Grout & Tile Cleaner

Coverage*

SIZE	COVERAGE
10.5 oz. (310 ml)	24 lineal feet (7.3 m) of 1/4" x 1/4" (6 x 6 mm) joint

*Chart is for estimating purposes. Coverage may vary based on installation practices and jobsite conditions.

Aqua Mix® Sealer's Choice® Gold

Product Description

A premium, no-sheen, natural look, water-based, penetrating sealer formulated to provide maximum stain protection, especially in food preparation and serving areas. Allows moisture vapor transmission. Rapid Cure Formula protects in less than 4 hours. May also be used as a pre-grouting sealer.

Key Features

- Premium sealer for stone, tile and grout
- Maximum stain resistance
- Water-based formula
- For interior and exterior use

Suitable Tile Types

As a sealer or grout release for all natural stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, and grout. For interior and exterior use.

Limitations to the Product

- Do not allow sealer to come in contact with any non-recommended surface.
- If product is allowed to dry on surface, a white film may form. If this occurs, scrub with Aqua Mix® NanoScrub® and a white nylon pad.
- Sealer will not prevent surface wear or etching from acids or caustic chemicals.

Packaging

1 pint (473 ml) bottle
1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (19 L) pail
55 gallon drum (210 L) drum



Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Excellent
pH		8

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	030881	1 pint (473 ml)	Bottle
USA	030882-4	1 quart (946 ml)	Bottle
USA	030883	1 gallon (3.78 L)	Bottle
USA	030884	5 gallon (19 L)	Pail
USA	030885*	55 gallon (210 L)	Drum
Canada	C030881	1 pint (473 ml)	Bottle
Canada	C030882-4	1 quart (946 ml)	Bottle
Canada	C030883	1 gallon (3.78 L)	Bottle
Canada	C030884	5 gallon (19 L)	Pail

* Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (28 m ²)	1,500 sq. ft. (139 m ²)

*Chart is for estimating purposes.

Aqua Mix® Ultra-Solv®

Product Description

A premium, no-sheen, natural look, solvent-based, penetrating sealer formulated to provide maximum stain protection, especially in food preparation and serving areas. May also be used as a pre-grouting sealer. Allows moisture vapor transmission. It is also an excellent grout sealer.

Available in the USA only.

Key Features

- Maximum stain protection
- No-sheen natural look
- Solvent-based formula

Suitable Tile Types

As a sealer or grout release for all natural stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, and grout. For interior and exterior use.

Limitations to the Product

- Do not allow sealer to come in contact with any non-recommended surface.
- May slightly lighten or darken some stone surfaces.
- Sealer will not prevent surface wear or etching from acids or caustic chemicals.

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

5 gallon (18.9 L) pail

55 gallon (210 L) drum

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100340-4	1 quart (946 ml)	Bottle
USA	100341	1 gallon (3.78 L)	Bottle
USA	100342*	5 gallon (18.9 L)	Pail
USA	100520*	55 gallon (210 L)	Drum

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (27.9 m ²)	1,500 sq. ft. (139.4 m ²)

*Chart is for estimating purposes.

Aqua Mix® Grout Sealer

Product Description

A water-based sealer that resists water, oil, and acid-based contaminants. Simplifies maintenance and does not change the appearance of the grout. Allows moisture vapor transmission.

Key Features

- Repels food, dirt and grease
- Inhibits mildew and bacteria
- Simplifies maintenance

Suitable Tile Types

Recommended for cement-based sanded and non-sanded grout joints for ceramic, porcelain and glass tile installations. For interior and exterior use.

Limitations to the Product

- Do not allow sealer to dry on tile surface because a residue will be visible. If this occurs, use Aqua Mix® NanoScrub® and scrub with a nylon pad.
- Do not allow sealer to come in contact with any non-recommended surface.
- Sealers will not prevent surface wear or etching from acids or caustic chemicals.

Packaging

8 oz. (240 ml) bottle
1 pint (473 ml) bottle
24 oz. (710 ml) spray bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail
55 gallon (208.2 L) drum

Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Good
pH		12
Darken Stone		No
Cure Time		24 Hours
Expected Wear		Up to 5 Years



Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	020721	1 pint (473 ml)	Bottle
USA	020720-4	24 oz (710 ml)	Spray
USA	020723	1 gallon (3.78 L)	Bottle
USA	020724*	5 gallon (18.9 L)	Pail
USA	020725*	55 gallon (208.2 L)	Drum
Canada	C020721	1 pint (473 ml)	Bottle
Canada	C020728	8 oz (240 ml)	Bottle
Canada	C020723	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	400 sq. ft. (37 m ²)	1,200 sq. ft. (112 m ²)

*Chart is for estimating purposes.

Aqua Mix® Pro-Solv®

Product Description

An economical, no-sheen, natural look, solvent-based, penetrating sealer formulated to resist stains on porous stone and tile. May also be used as a pre-grouting sealer. Allows moisture vapor transmission. It is also a good grout sealer.

Key Features

- Excellent stain protection
- No-sheen natural look
- Safe solvent-based formula

Suitable Tile Types

As a sealer or grout release for all natural stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, and grout. For interior and exterior use.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- May slightly lighten or darken some stone surfaces.
- Sealer will not prevent surface wear or etching from acids or caustic chemicals.

Packaging

- 1 pint (473 ml) bottle
- 1 quart (946 ml) bottle
- 1 gallon (3.78 L) bottle
- 5 gallon (18.9 L) pail
- 55 gallon (208.2 L) drum

Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Good
pH		n/a
Darken Stone		No
Cure Time		24 Hours
Expected Wear		Up to 10 Years

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100057	1 pint (473 ml)	Bottle
USA	100058-4	1 quart (946 ml)	Bottle
USA	100059	1 gallon (3.78 L)	Bottle
USA	100060*	5 gallon (18.9 L)	Pail
USA	100061*	55 gallon (208.2 L)	Drum

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (28 m ²)	1,500 sq. ft. (140 m ²)

*Chart is for estimating purposes.

Aqua Mix® Penetrating Sealer

Product Description

An economical, no-sheen, natural look, water-based, penetrating sealer designed to resist stains. May also be used as a pre-grouting sealer. Allows moisture vapor transmission. Can be used as a grout sealer.

Key Features

- Excellent stain protection
- No-sheen, natural look
- Safe, water-based formula

Suitable Tile Types

As a sealer or grout release for all natural stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, and grout. For interior and exterior use.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- If product is allowed to dry on surface, a white film may form. If this occurs, scrub surface with Aqua Mix® NanoScrub® and a white nylon pad.
- Sealer will not prevent surface wear or etching from acids or caustic chemicals.
- Note: Aqua Mix Ultra-Solv® or Sealer's Choice® Gold are recommended in place of Penetrating Sealer in food preparation areas or where maximum stain protection is required.

Packaging

1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail
55 gallon (208.2 L) drum



Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Very Good
pH		n/a
Darken Stone		Yes
Cure Time		24 Hours
Expected Wear		Up to 15 Years

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	020372-4	1 quart (946 ml)	Bottle
USA	020373	1 gallon (3.78 L)	Bottle
USA	020374	5 gallon (18.9 L)	Pail
USA	020375*	55 gallon (208.2 L)	Drum
Canada	C020372-4	1 quart (946 ml)	Bottle
Canada	C020373	1 gallon (3.78 L)	Bottle
Canada	C020374	5 gallon (18.9 L)	Pail

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.
- Expected wear of all sealers is dependent on many environmental issues and intended use. Review our technical bulletin, TB84, at our website for more information.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (28 m ²)	1,000 sq. ft. (93 m ²)

*Chart is for estimating purposes.

TileLab® SurfaceGard® Sealer

Product Description

Provides unsurpassed invisible protection for marble, stone, porcelain, quarry and Saltillo tile, grout, concrete and masonry. This long-lasting, water-based sealer actually repels dirt, oil and stains allowing for easy clean-up. Use when maximum protection is required such as in food preparation areas, floors and other high traffic areas. Can also be used in place of a grout release prior to grouting to prevent grout staining and facilitate grout clean-up. Low odor, pH neutral and non-abrasive. Allows moisture vapor transmission. For interior and exterior use.

Key Features

- Protects stone and grout against stains
- Does not darken tile, stone or grout

Suitable Tile Types

As a sealer or grout release for all stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, grout. For interior and exterior use.

Packaging

1 pint (473 ml) bottle Canada Only
 24 fl. oz. (709 ml) spray bottle
 1 quart (946 ml) spray bottle Canada Only
 1/2 gallon (1.89 L) bottle
 1 gallon (3.78 L) bottle

Technical Data

Technical Chart

- Excellent stain resistance to most household contaminants (CTI-072)
- pH neutral (7-9)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLSGS24Z	24 fl. oz. (709 ml)	Spray Bottle
USA	TLSGSRAGH-3	1/2 gallon (1.89 L)	Bottle
USA	TLSGSRA1-2	1 gallon (3.78 L)	Bottle
Canada	TLSGSPT-6	1 pint (473 ml)	Bottle
Canada	TLSGSQT-3	1 quart (946 ml)	Spray Bottle
Canada	TLSGSHG-3	1/2 gallon (1.89 L)	Bottle
Canada	TLSGS1-2	1 gallon (3.78 L)	Bottle

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

Lasts up to 20 years under normal conditions depending on hardness and texture of surface. Use factors, cleaning routines, harsh cleaning methods, sun exposure and weather conditions will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
On Polished or Dense Surfaces:		
1 gallon (3.78 L)	800 sq. ft. (74 m ²)	1,200 sq. ft. (112 m ²)
1/2 gallon (1.89 L)	400 sq. ft. (37 m ²)	600 sq. ft. (55.7 m ²)
24 fl. oz. (709 ml)	150 sq. ft. (14 m ²)	225 sq. ft. (20 m ²)
On Porous Surfaces:		
1 gallon (3.78 L)	200 sq. ft. (19 m ²)	400 sq. ft. (37 m ²)
1/2 gallon (1.89 L)	100 sq. ft. (9.3 m ²)	200 sq. ft. (19 m ²)
24 fl. oz. (709 ml)	38 sq. ft. (3.5 m ²)	75 sq. ft. (7 m ²)

*Chart is for estimating purposes.

TileLab® Grout & Tile Sealer

Product Description

Economical, easy-to-apply, penetrating sealer that resists most common oil-based and water-based stains. Unlike other sealers, it will not leave a difficult-to-remove residue on the surface. Low-odor, water-based formula.

Key Features

- Protects grout and tile against stains

Suitable Tile Types

Seals Saltillo, terra-cotta, quarry and porcelain tile, grout, brick, concrete, masonry and natural stone. Interior and exterior use.

Packaging

24 fl. oz. (709 ml) spray bottle
1 quart (946 ml) spray bottle Canada Only
1 gallon (3.78 L) bottle

Technical Data

- Stain resistant to most household contaminants (CTI-072)
- Does not darken most tile and grout

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLPS24Z	24 fl. oz. (709 ml)	Spray Bottle
USA	TLPSRA1-2	1 gallon (3.78 L)	Bottle
Canada	CTLPSQT-3	1 quart (946 ml)	Bottle



Canada	CTLPS1-2	1 gallon (3.78 L)	Bottle
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Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Coverage

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
On Polished or Dense Surfaces:		
1 gallon (3.78 L)	800 sq. ft. (74 m ²)	1,200 sq. ft. (112 m ²)
24 fl. oz. (709 ml)	150 sq. ft. (14 m ²)	225 sq. ft. (20 m ²)
On Porous Surfaces:		
1 gallon (3.78 L)	200 sq. ft. (19 m ²)	400 sq. ft. (37 m ²)
24 fl. oz. (709 ml)	38 sq. ft. (3.5 m ²)	75 sq. ft. (7 m ²)

TileLab® Grout Sealer

Product Description

Invisible, low-odor, penetrating sealer that protects grout joints from stains and dirt. Easy to apply, it won't leave a hard-to-remove residue on tile surfaces.

Key Features

- Protects grout against stains

Uses

For sanded and non-sanded cementitious grout joints.

Packaging

6 fl. oz. (177.5 ml) bottle

Technical Data

- Stain resistant to most household contaminants (CTI-072)
- Does not darken grout

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLGSRA6Z	6 fl. oz. (177.5 ml)	Bottle

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
6 fl. oz. (177.5 ml)	50 sq. ft. (4.6 m ²)	80 sq. ft. (7.4 m ²)

* Chart is for estimating purposes.

TileLab® Grout Sealer

Product Description

TileLab Grout Sealer is a ready-to-use, water-based, penetrating sealer that resists most common oil and water-based stains. With a 360° nozzle, it is a quick and easy way to apply a sealer to sanded or non-sanded grout while in a standing position. The steady stream from the nozzle and the foaming action of the sealer makes it easy to aim and seal. Grout Sealer makes cleaning easier.

Key Features

- Penetrates to protect grout against stain

Uses

Protects sanded and non-sanded grout joints from grease, coffee, wine, cooking oil, bath oils, colored juices, ketchup, mustard and every-day dust and dirt to keep grout bright and new.

Packaging

15 oz. (425 gm) aerosol can

Technical Data

- Stain resistant to most household contaminants (CTI-072)
- Does not darken grout

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLAGSRA15Z	15 oz (425 gm)	Aerosol Can

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE
15 oz. (425 gm)	525 linear feet (160 linear meters)

*Chart is for estimating purposes.

Aqua Mix® Enrich 'N' Seal®

Product Description

A premium, no-sheen, enhanced-look, 100% polymer-solid, penetrating sealer formulated to darken, enrich, and highlight the character and beauty of unsealed natural stone. May also be used as a pre-grouting sealer. Allows moisture vapor transmission. It also effectively seals and darkens the color of grout joints.

Key Features

- Darkens, enriches and highlights
- Maximum stain protection, no sheen
- State-of-the-art polycure technology

Uses

- Unsealed natural stone such as marble, granite, slate, limestone, travertine, quartzite, and sandstone
- Effectively seals and darkens the color of grout joints
- Effective for interior and exterior applications

Limitations to the Product

- Do not allow sealer to come in contact with any non-recommended surface as product is not completely removable.
- Sealers and finishes should not be used with Enrich 'N' Seal.
- If Enrich 'N' Seal is not wiped completely dry within 5 minutes, a residue may form. If residue occurs, contact Technical Services for additional options.
- Keep floor surfaces dry and clean to reduce possibility of slip-fall accidents. Routine pressure-washing will affect expected wear.
- Sealers will not prevent surface wear or etching from acids or caustic chemicals.

Packaging

1 pint (473 ml) bottle
1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail
55 gallon (208.2 L) drum



Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Excellent
pH		n/a
Darken Stone		Yes
Cure Time		48 Hours
Expected Wear		Up to 15 Years

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100250	1 pint (473 ml)	Bottle
USA	100251-4	1 quart (946 ml)	Bottle
USA	100252-2	1 gallon (3.78 L)	Bottle
USA	100253*	5 gallon (18.9 L)	Pail
USA	100254*	55 gallon (208.2 L)	Drum
Canada	C100250	1 pint (473 ml)	Bottle
Canada	C100251-4	1 quart (946 ml)	Bottle
Canada	C100252-2	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Exterior applications may require more frequent reapplications.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.
- Expected wear of all sealers is dependent on many environmental issues and intended use. Review our technical bulletin, TB84, at our website for more information.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	500 sq. ft. (46 m ²)	1,500 sq. ft. (140 m ²)

*Chart is for estimating purposes.

Aqua Mix® Stone Enhancer

Product Description

A no-sheen, enhanced-look, penetrating sealer formulated to darken and highlight the character and beauty of unsealed natural stone. It rejuvenates the color and improves the appearance of worn and weathered stone. May also be used as a pre-grouting sealer. Allows moisture-vapor transmission. It also effectively seals and darkens the color of grout joints.

Key Features

- Darkens and highlights
- Excellent stain protection
- No-sheen, enhanced look

Uses

- Unsealed natural stone such as marble, granite, slate, limestone, travertine, quartzite, and sandstone
- Effective for interior and exterior applications

Limitations to the Product

- Do not allow sealer to come in contact with any non-recommended surface as product is not completely removable.
- Sealers and finishes should not be used before or after use of Stone Enhancer.
- If Stone Enhancer is not WIPED COMPLETELY DRY within 5 minutes, a residue may form, if residue occurs, use a scrub brush or floor machine with Aqua Mix® Heavy-Duty Tile & Grout Cleaner to remove. Always try a small test area to ensure results. If results are not satisfactory, call Technical Services for additional options.
- Keep floor surfaces dry and clean to reduce possibility of slip-fall accidents.
- Routine pressure-washing will affect expected wear.
- Sealer will not prevent surface wear or etching from acids or caustic chemicals.



Packaging

- 1 pint (473 ml) bottle
- 1 quart (946 ml) bottle
- 1 gallon (3.78 L) bottle
- 5 gallon (18.9 L) pail
- 55 gallon (208.2 L) drum

Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Very Good
pH		n/a
Darken Stone		Yes
Cure Time		48 Hours
Expected Wear		Up to 5 Years

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	030141	1 pint (473 ml)	Bottle
USA	030142-4	1 quart (946 ml)	Bottle
USA	030143-2	1 gallon (3.78 L)	Bottle
USA	030144*	5 gallon (18.9 L)	Pail
USA	030145*	55 gallon (208.2 L)	Drum
Canada	C030141	1 pint (473 ml)	Bottle
Canada	C030142-4	1 quart (946 ml)	Bottle
Canada	C030143-2	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Expect more frequent application on exterior areas.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	500 sq. ft. (139 m ²)	1,500 sq. ft. (140 m ²)

*Chart is for estimating purposes.

Aqua Mix® Seal & Finish Low Sheen

Product Description

A specially formulated water-based blend of acrylic polymers that provides both a stain resistant surface seal and a durable low-sheen finish eliminating conventional two-step methods utilizing a sealer and finish. May also be used as a pre-grouting sealer. Allows moisture vapor transmission and is unaffected by ultra-violet light.

Key Features

- One step sealer and finish
- Excellent stain protection
- Low-sheen finish

Uses

- For clay pavers including Saltillo, terra-cotta and adobe, cement tile, quarry, slate and sandstone
- Effective for interior and exterior applications

Benefits of Product in the Installation

- Excellent stain resistance to household contaminants (CTI-072)
- Excellent mar resistance

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Not recommended for use on glazed ceramic tile.
- Not recommended for use around pools, showers or areas subject to standing water.
- Keep surface clean and dry to reduce possibility of slip-fall accidents.
- Not recommended for countertops

Packaging

1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail



Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Excellent
pH		8 - 9

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	020552-4	1 quart (946 ml)	Bottle
USA	020553	1 gallon (3.78 L)	Bottle
USA	020554*	5 gallon (18.9 L)	Pail
Canada	C020552-4	1 quart (946 ml)	Bottle
Canada	C020553	1 gallon (3.78 L)	Bottle
Canada	C020554*	5 gallon (18.9 L)	Pail

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Expect more frequent application on exterior area.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (28 m ²)	1,000 sq. ft. (93 m ²)

*Chart is for estimating purposes.

Aqua Mix® High-Gloss Sealer

Product Description

A specially formulated water-based sealer of acrylic polymers that provides both a stain-resistant surface seal and a durable high-sheen finish, eliminating the need for two products. May also be used as a pre-grouting sealer. Allows moisture vapor transmission and is unaffected by ultra-violet light.

Key Features

- One step sealer and finish
- Excellent stain protection
- High-gloss finish

Uses

- For clay pavers including Saltillo, terra-cotta and adobe, cement tile, quarry, slate and sandstone.
- For interior applications only.

Benefits of Product in the Installation

- Excellent stain resistance to household contaminants (CTI-072)
- Excellent mar resistance
- High-gloss sheen

Limitations to the Product

- Not recommended for use on smooth glazed ceramic or porcelain tile, as surface must be rough-textured to ensure adequate bonding.
- Do not allow product to come in contact with any non-recommended surface.
- Not recommended for use in or around pools, showers or areas subject to standing water.
- Not recommended for use on countertops.
- Keep surface clean and dry to reduce possibility of slip-fall accidents. Interior use only.

Packaging

1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100726-4	1 quart (946 ml)	Bottle
USA	100727	1 gallon (3.78 L)	Bottle
USA	100900*	5 gallon (18.9 L)	Pail
Canada	C100726-4	1 quart (946 ml)	Bottle
Canada	C100727	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depending on type, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (30 m ²)	1,000 sq. ft. (93 m ²)

*Chart is for estimating purposes.

Aqua Mix® Floor Shine & Hardener

Product Description

A clear, durable floor finish that resists surface abuse and leaves a beautiful high-shine finish. May also be used for pre-grouting protection on unglazed porcelain and cracked glazes. Allows moisture vapor transmission.

Key Features

- Protective finish over sealed surfaces
- No buffing required

Uses

- Sealed Saltillo, terra-cotta, sate, sandstone, adobe and quarry tile
- Effective for interior dry areas only

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Do not use a large-pored sponge applicator.
- Do not dip applicator directly into product, as bubbling (or foaming) will occur.
- Not recommended for exterior applications or for use as a finishing product on glazed ceramic or glazed porcelain tile.
- Do not use around pools, showers, countertops or areas subject to standing water.
- Keep surface clean and dry to reduce possibility of slip-fall accidents.

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

Technical Data

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Good
pH		n/a
Darken Stone		No
Cure Time		24 Hours
Expected Wear		Up to 1 Year

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	040282-4	1 quart (946 ml)	Bottle
USA	040283	1 gallon (3.78 L)	Bottle
Canada	C040282-4	1 quart (946 ml)	Bottle
Canada	C040283	1 gallon (3.78 L)	Bottle

Product Maintenance

Do not use cleaners containing ammonia, acids or bleach. Use an appropriate TileLab® or Aqua Mix® neutral cleaner. Tile industry experts recommend periodic testing of sealed surfaces. Apply a few drops of water on the surface. If it soaks in, an additional application will be necessary to maintain peak performance.

Expected Wear

- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depends on type of stone or tile, porosity and texture of surface, temperature, humidity, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	800 sq. ft. (74 m ²)	1,000 sq. ft. (93 m ²)

*Chart is for estimating purposes.

TileLab® Stone Sealer & Enhancer

Product Description

Color enhancer and penetrating sealer for all types of porous natural stone and grout. Rejuvenates the color and appearance of worn, faded stone, tumbled-marble and other rustic-look stones. Can also be used to darken the color of grout. Provides long-lasting protection against oil, grease and stains. Its water-based, low-odor formula can be used for interior and exterior use.

Key Features

- Seals for stain protection and enhances the look

Uses

- Unsealed natural stone such as marble, granite, slate, limestone, travertine, quartzite, and sandstone
- Effective for interior and exterior applications

Benefits of Product in the Installation

- Excellent stain resistance to most household contaminants (CTI-072)
- Darkens most stone to a "wet look"

Packaging

24 fl. oz. (709 ml) spray bottle

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs. Standards for VOC.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLSES24Z	24 fl. oz. (709 ml)	Spray Bottle

Product Maintenance

Use an appropriate TileLab® or Aqua Mix® neutral cleaner for routine cleaning.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
On Porous Surfaces:		
24 fl. oz. (709 ml)	30 sq. ft. (2.8 m ²)	65 sq. ft. (6 m ²)
On Polished or Dense Surfaces:		
24 fl. oz. (709 ml)	130 sq. ft. (12 m ²)	190 sq. ft. (17.6 m ²)

*Chart is for estimating purposes.

TileLab®

Gloss Sealer & Finish

Product Description

High-gloss, protective finish and surface sealer for Saltillo, terra-cotta, quarry tile, slate and flagstone. Seals the surface to resist stains, dirt and grease. Beautifies and enhances color while providing scuff, mar and scratch resistance. This acrylic, water-based finish has low odor and will not yellow with age. For interior dry areas only.

Key Features

- Seals for stain protection with a gloss finish

Uses

- For clay pavers including Saltillo, terra-cotta and adobe, cement tile, quarry, slate and sandstone
- For interior dry applications only

Packaging

1/2 gallon (1.89 L) bottle

1 quart (946 ml) bottle Canada Only

Technical Data

- Stain resistant to most household contaminants (CTI-072)
- Does not blush from puddled water
- Alkali strippable

Technical Chart

PROPERTY	TEST METHOD	TYPICAL RESULTS
Stain Resistance	CTI-072	Good
pH		n/a
Darken Stone		No
Cure Time		24 hours
Expected Wear		Up to 3 years

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLGLSSHG	1/2 gallon (1.89 L)	Bottle
Canada	CTLGLSSQT-3	1 quart (946 ml)	Bottle

Product Maintenance

Use an appropriate TileLab or Aqua Mix neutral cleaner for routine cleaning.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1/2 gallon (1.89 L)	150 sq. ft. (14 m ²)	250 sq. ft. (23.5 m ²)

*Chart is for estimating purposes.

TileLab® Matte Sealer & Finish

Product Description

Low-sheen, protective finish and surface sealer for Saltillo, terra-cotta, quarry tile, slate and flagstone. Seals the surface to resist stains, dirt and grease. Beautifies and enhances color while providing scuff, mar and scratch resistance. This acrylic, water-based finish has low odor and will not yellow with age. For interior and exterior use.

Key Features

- Seals for stain protection with a matte finish

Uses

- For clay pavers including Saltillo, terra-cotta and adobe, cement tile, quarry, slate and sandstone.
- Effective for interior and exterior dry applications.

Packaging

1/2 gallon (1.89 L) bottle

1 quart (946 ml) bottle Canada Only

Technical Data

- Stain resistant to most household contaminants (CTI-072)
- Alkali strippable

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLMTSSHG	1/2 gallon (1.89 L)	Bottle
Canada	CTLMTSSQT-3	1 quart (946 ml)	Bottle

Product Maintenance

Use an appropriate TileLab® or Aqua Mix® neutral cleaner for routine cleaning.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1/2 Gallon (1.89 L)	125 sq. ft. (11.6 m ²)	200 sq. ft. (19 m ²)

*Chart is for estimating purposes.

Aqua Mix® 1 & 2 Deep Clean

Product Description

An effective, highly-concentrated, high-alkaline, two part (1 part powder, 1 part liquid) industrial strength cleaner and degreaser. Removes ground-in dirt, grease and soap scum. Cost effective product for use in large commercial areas such as restaurants, malls, and hotels. Also effective for quick and easy removal of all types of waxes and synthetic floor finishes.



Key Features

- Highly concentrated cost effective
- For heavily soiled and neglected areas
- Removes ground-in dirt, grease, wax and floor finishes

Suitable Tile Types

Natural stone (such as granite, limestone, marble, slate, and travertine), ceramic, porcelain, grout, concrete, quarry, masonry surfaces and other stone and tile.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Not recommended for use on vinyl or linoleum surfaces.
- Do not mix with other cleaners or strippers.

Packaging

1 gallon (3.78 L) bottle liquid
8 lb. (3.63 kg) jar powder

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	12-13 (alkaline)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010120 (set)	1 gallon (3.78 L)	Bottle
		8 lb. (3.63 kg)	Jar

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

Depending on dilution.

SIZE	MIN COVERAGE	MAX COVERAGE
1 Unit (3.78 L)	8,000 sq. ft. (743 m ²)	32,000 sq. ft. (2,973 m ²)

*Chart is for estimating purposes.

Aqua Mix® Grout Deep Clean

Product Description

A powerful cleaner designed to remove grease, food stains, soap scum, dirt and soil from grout joints. Restores color and appearance of dirty and stained grout.

Key Features

- Advanced stain-pulling power
- For use in heavily soiled and neglected areas
- Safely cleans dirt, grease and food stains

Suitable Tile Types

Surrounding tile and stone and any of the following grouting materials:

- Cementitious sanded and unsanded grout
- Epoxy grout
- Pre-mixed grout
- Single component grout
- Urethane grout

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- May adversely affect grout joints that have been coated with a colorant or grout stain.

Packaging

24 oz (710 ml) spray bottle

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	11-12 (alkaline)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010530-4	24 oz (710 ml)	Spray Bottle
Canada	C010530-4	24 oz (710 ml)	Spray Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
24 oz (720 ml)	25 sq. ft. (2.3 m ²)	75 sq. ft. (7 m ²)

* Chart is for estimating purposes.

Aqua Mix® Stone Deep Clean

Product Description

A concentrated heavy-duty cleaner and degreaser formulated to clean stone surfaces that have been neglected or subjected to heavy use. Aqua Mix® Stone Deep Clean effectively removes dirt, grease and grime, as well as waxes and floor finishes.

Key Features

- For heavily soiled and neglected areas
- Cleans ground-in dirt, grease, soap scum, and other organic materials
- Strips wax and floor finishes
- Removes common dirt and grease
- Removes acrylic waxes and coatings

Suitable Tile Types

All natural stone (such as granite, limestone, slate, and travertine), ceramic, porcelain, grout, quarry, Saltillo, terra-cotta, cement pavers and masonry surfaces.

Limitations to the Product

- Do not allow cleaner to come in contact with any non-recommended surface
- Regular use of high alkaline cleaners will reduce sealer life

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	11-12 (alkaline)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	030192-4	1 quart (946 ml)	Bottle
USA	030193	1 gallon (3.78 L)	Bottle
Canada	C030192-4	1 quart (946 ml)	Bottle
Canada	C030193	1 gallon (3.78 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

Coverage will vary depending on dilution.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	150 sq. ft. (15 m ²)	600 sq. ft. (55 m ²)

*Chart is for estimating purposes.

Aqua Mix®

Concentrated Stone & Tile Cleaner

Product Description

A super-concentrated cleaner formulated for everyday use. This neutral cleaner, when used regularly, prevents soap scum buildup and hard water deposits. The concentrated formula makes up to 128 gallons (484 L). Leaves a room smelling clean and fresh.

Key Features

- Biodegradable formula
- Ideal for everyday use
- Concentrated - 1 gallon (3.78 L) makes up to 128 gallons (484 L)
- Neutral pH formula

Suitable Tile Types

Natural stone (such as granite, limestone, marble, slate, and travertine), ceramic, porcelain, grout, quarry, Saltillo, terra-cotta, cement pavers, masonry surfaces, and other water-safe surfaces.

Benefits of Product in the Installation

- Removes most common dirt
- Neutral pH

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	7 (neutral)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010332-4	1 quart (946 ml)	Bottle
USA	010333	1 gallon (3.78 L)	Bottle
Canada	C010332-4	1 quart (946 ml)	Bottle
Canada	C010333	1 gallon (3.78 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

Coverage will vary depending on dilution and the porosity of the surface material.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	10,000 sq. ft. (930 m ²)	20,000 sq. ft. (1,860 m ²)

* Chart is for estimating purposes.

Aqua Mix® Heavy Duty Tile & Grout Cleaner

Product Description

A concentrated, high-alkaline cleaner and degreaser. Aqua Mix® Heavy-Duty Tile & Grout Cleaner effectively removes grease, soap scum and other organic materials from areas that have been neglected or subjected to heavy use. It also removes synthetic and acrylic waxes and floor finishes.

Key Features

- For heavily soiled and neglected areas
- Cleans ground-in dirt, grease, soap scum, and other organic materials
- Strips wax and floor finishes

Suitable Tile Types

Natural stone (such as granite, limestone, slate and travertine), ceramic, porcelain, quarry, Saltillo, terra-cotta, cement pavers, masonry surfaces, linoleum or resilient flooring.

Limitations to the Product

- Do not allow cleaner to come in contact with any non-recommended surface.
- May adversely affect grout joints that have been coated with colorant or grout stain.
- Regular use of high-alkaline cleaners will reduce sealer life.

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

5 gallon (18.9 L) pail

Technical Data

Technical Properties Chart

Removes common dirt and grease

Removes acrylic waxes and coatings

Complies with all federal EPA and SCAQMD standards for VOC

PROPERTY	TYPICAL RESULTS
pH	11-12 (alkaline)



Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010382-4	1 quart (946 ml)	Bottle
USA	010383	1 gallon (3.78 L)	Bottle
USA	010384*	5 gallon (18.9 L)	Pail
Canada	C010382-4	1 quart (946 ml)	Bottle
Canada	C010383	1 gallon (3.78 L)	Bottle
Canada	C010384*	5 gallon (18.9 L)	Pail

*Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

Depending on dilution.

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	150 sq. ft. (15 m ²)	600 sq. ft. (55 m ²)

*Chart is for estimating purposes.

VOC Content

Maximum VOCs: 25 grams per liter

TileLab® Grout & Tile Cleaner

Product Description

Ready-to-use cleaner with a strong, grease-cutting formula. Non-abrasive and non-acidic so it won't bleach grout or damage tile. Cuts through grease, dirt, food and soap scum on tile, grout, chrome, glass and laminates. Leaves a fresh citrus scent.

Key Features

- Non-acidic; safe for everyday cleaning

Packaging

32 fl. oz. (946 ml) spray bottle

1 gallon (3.78 L) bottle

1 quart (946 ml) spray bottle Canada Only

Technical Data

Technical Chart

Removes typical household dirt and grease
pH neutral

Complies with all Federal and CARB
Standards for VOCs

Environmental Considerations

Complies with all Federal and SCAQMD
Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLGTCRAQT-3	32 fl. oz. (946 ml)	Spray Bottle
USA	TLGTCRA1-2	1 gallon (3.78 L)	Bottle
Canada	CTLGTCQT-3	1 quart (946 ml)	Spray Bottle
Canada	CTLGTC1-2	1 gallon (3.78 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

VOC Content

Less than 1 g/L (0.05% CARB VOC)

Related Products

TileLab® SurfaceGard® Sealer

TileLab® Heavy-Duty Stripper & Cleaner

Product Description

Concentrated cleaner and stripper for tough cleaning jobs. Cleans heavy build-up of grease, scuff marks and most major stains. Strips wax and acrylic floor finishes. Great for renewing old tile installations. Will also remove light cement grout haze and mortar residue. Will not harm the surface and emits no strong fumes or odors.

Key Features

- Non-acidic; strips wax and finishes
- Cuts through heavy build-up

Suitable Tile Types

Use on tile, stone, marble, granite, grout, cement, masonry and vinyl flooring.

Packaging

1 quart (946 ml) bottle

Technical Data

Technical Chart

Removes most common dirt and grease

Removes most acrylic floor finishes

pH of mixed material 10-12

Complies with all Federal and CARB Standards for VOCs

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLSTSRAQT-3	1 quart (946 ml)	Bottle
Canada	CTLSTSQT-3	1 quart (946 ml)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
For Cleaning:		
1 quart (946 ml) — Diluted 7:1	200 sq. ft. (19 m ²)	600 sq. ft. (55.7 m ²)
For Stripping:		
1 quart (946 ml)	25 sq. ft. (2.3 m ²)	75 sq. ft. (7 m ²)

* Chart is for estimating purposes.

VOC Content

1:5 Dilution= <20 g/L (0.8% CARB VOC)

TileLab® Grout Haze Remover

Product Description

A pre-mixed, ready-to-use, mild acid solution. Removes dried Portland cement grout haze and mortar residue from tile, concrete and masonry. Safe for use on colored grouts. Removes hard water deposits, efflorescence and also etches concrete.

Key Features

- Liquid acidic treatment
- Removes efflorescence

Uses

Used for removal of dried Portland cement grout and mortar residue from the surface of glazed and unglazed ceramic tile, concrete and masonry. It is ideal for neutralizing efflorescence. It can also be used to slightly etch concrete surfaces to create a better bond for adhesives.

Limitations to the Product

May etch some glazed tile. Do not use on marble or polished stone. Do not allow product to contact metal objects. Do not transfer contents to unlabeled containers.

Packaging

1 quart (946 ml) bottle

Technical Data

pH of mixed solution is 2-3

Complies with all Federal and CARB Standards for VOC

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLGHRRQT-3	1 quart (946 ml)	Bottle
Canada	CTLGHRQT-3	1 quart (946 ml)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE
1 quart (946 ml)	75 sq. ft. (7 m ²)

*Chart is for estimating purposes.

VOC Content

Contains no VOC's

Related Products

TileLab® Grout Haze Remover

TileLab®

Sulfamic Acid Cleaner

Product Description

Concentrated crystals that mix with water to make a mild, safe to use, acid cleaner. Removes dried Portland cement, grout haze and mortar residue from tile, concrete and masonry. Safe for use on colored grouts. Removes hard water deposits, efflorescence and also etches concrete.

Key Features

- Removes grout haze and residue

Uses

Use on all colors of grout, tile, clay pavers, concrete and masonry.

Limitations to the Product

Do not use on marble or other polished stone. May etch some glazed tile.

Packaging

1 lb. (450 gm) tub

Technical Data

pH of mixed solution is 2-3

Complies with all Federal and CARB Standards for VOC

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLSACRA1	1 lb. (450 gm)	Tub
Canada	CTLSAC1	1 lb. (450 gm)	Tub

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE
1 gallon (3.78 L) of solution	300 sq. ft. (28 m ²)

*Chart is for estimating purposes.

VOC Content

Contains no VOC's

Aqua Mix® AquaShield™ Cleaner & Resealer

Product Description

A ready-to-use cleaner and resealer.

Key Features

- Non-acidic formula
- Adds sealer with every cleaning
- Formulated for everyday use

Suitable Tile Types

- Sealed stone
- Grout
- Ceramic
- Porcelain
- Quarry tile

Benefits of Product in the Installation

- Non-acidic, non-abrasive formula won't damage stone, grout or tile
- Cuts through grease, dirt, food and soap scum on tile, grout, chrome, glass and laminates
- Contains sealer to reseal as it cleans
- For use over any penetrating sealer
- When used regularly, the cleaned surface will maintain the stain and water resistance of the previously sealed surface

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surfaces.
- This product should not be used to clean utensils, glassware, and dishes.
- Not recommended for painted surfaces.

Packaging

24 fl. oz. (710 ml) spray bottle

Technical Data

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010507-4	24 oz (710 ml)	Spray Bottle
Canada	C010507-4	24 oz (710 ml)	Spray Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Aqua Mix® Polished Granite Cleaner & Resealer

Product Description

A ready-to-use, everyday cleaner formulated to effectively clean and maintain the natural beauty of your stone. It contains an Aqua Mix® Sealer in its formulation to reseal as it cleans, applying a thin coat of sealer every time you clean. Its formula is non-acidic so it will not harm your stone or grout.

Key Features

- Non-acidic; Safe for everyday cleaning
- Removes typical household dirt
- Maintains stain resistance of sealed stone

Suitable Tile Types

Optimally cleans and reseals polished granite sealed with an Aqua Mix Sealer. Safe to use on all stone surfaces.

Packaging

1 quart (946 ml) spray bottle

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	7-9

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	AMGCRQT	1 quart (946 ml)	Spray Bottle

Product Maintenance

Properly applied product requires no special maintenance.

Aqua Mix® Marble, Travertine, Limestone & Slate Cleaner & Resealer

Product Description

A ready-to-use, everyday cleaner formulated to effectively clean and maintain the natural beauty of your stone. Marble, travertine, limestone and slate are medium-density stones that are susceptible to acids and oily foods that cause etching and staining. It contains Aqua Mix® Sealer in its formula to reseal as it cleans, applying a thin coat of sealer every time you clean. Its formula is non-acidic so it will not harm your stone or grout.



Key Features

- Non-acidic
- Safe for everyday cleaning
- Removes typical household dirt
- Maintains stain resistance of sealed stone

Suitable Tile Types

Optimally cleans and reseals stone surfaces including marble, travertine, limestone and slate sealed with an Aqua Mix® Sealer. Safe to use on all stone surfaces.

Packaging

1 quart (946 ml) spray bottle

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	7-9

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	AMMCRQT	1 quart (946 ml)	Spray Bottle

Product Maintenance

Properly applied product requires no special maintenance.

TileLab®

Grout & Tile Cleaner & Resealer

Product Description

Ready-to-use cleaner and resealer. Non-acidic, non-abrasive formula won't damage stone, grout or tile. Cuts through grease, dirt, food and soap scum on tile, grout, chrome, glass and laminates. Contains TileLab SurfaceGard® Sealer to reseal as it cleans. Leaves a fresh citrus scent.

Key Features

- Non-acidic; Reseals for added stain protection

Packaging

32 fl. oz. (946 ml) spray bottle
 1 gallon (3.78 L) bottle
 1 quart (946 ml) spray bottle Canada Only

Technical Data

Removes typical household dirt and grease
 Maintains stain resistance of sealed stone
 pH neutral (7-9)
 Complies with all Federal and SCAQMD Standards for VOCs

Environmental Considerations

Complies with all Federal and SCAQMD Standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	TLOSRAQT-3	32 fl. oz. (946 ml)	Spray Bottle
USA	TLOS1	1 gallon (3.78 L)	Bottle
Canada	CTLOSQT-3	1 quart (946 ml)	Spray Bottle

Product Maintenance

Properly installed product requires no special maintenance.

VOC Content

Less than 10 g/L (<0.5% CARB VOC)

Aqua Mix® Cement Grout Haze Remover

Product Description

An acidic treatment designed to remove cementitious grout haze. Also effective for the removal of most hard water stains, rust stains, efflorescence and lime deposits. Contains no phosphates.

Key Features

- Removes cured grout haze and mortar smears
- Cleans hard water stains, rust and soap scum
- Dissolves efflorescence
- No phosphates
- Easy-to-use acidic treatment

Uses

Acid resistant natural stone (such as granite and slate), ceramic, porcelain, quarry, Saltillo, terra-cotta, and other acid-resistant tile

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface
- Do not mix with other cleaners
- Acids of all kinds may etch, lighten, or change the color of cementitious material, metallic glazes and some natural stones such as marble, limestone, travertine and some basalts
- Do not use to remove epoxy or premixed grout haze from tile

Packaging

1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail



Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	050162-4	1 quart (946 ml)	Bottle
USA	050163	1 gallon (3.78 L)	Bottle
USA	050164*	5 gallon (18.9 L)	Pail
Canada	C050162-4	1 quart (946 ml)	Bottle
Canada	C050163	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 Gallon (3.78 L)	400 sq. ft. (37 m ²)	1,200 sq. ft. (112 m ²)

* Chart is for estimating purposes.

Aqua Mix® Non-Cement Grout Haze Remover

Product Description

Aqua Mix Non-Cement Grout Haze Remover is a safe cleaner that effectively removes Single Component®, premixed, urethane, and light epoxy grout haze from the face of most common tile and natural stone products.

Key Features

- Removes single component, urethane and light epoxy grout haze
- Non-acidic formula

Suitable Tile Types

Natural stone (such as granite, limestone, slate and travertine), ceramic, porcelain, quarry, Saltillo.

Limitations to the Product

- Do not allow cleaner to come in contact with any non-recommended surface
- Do not use excessive amounts of water during cleanup process as grout pigment may be washed out
- Avoid scrubbing directly on the grout joints
- For moderate-heavy epoxy grout haze or any epoxy grout haze cured for more than 7 days, use Aqua Mix Sealer & Coating Remover

Packaging

- 1 quart (946 ml) bottle
- 1 gallon (3.78 L) bottle
- 5 gallon (18.9 L) pail



Technical Chart

Complies with all federal EPA and SCAQMD standards for VOC

PROPERTY	TEST METHOD	REQUIREMENT	TYPICAL RESULTS
pH	Meter	n/a	11-12 (alkaline)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010900-4	1 quart (946 ml)	Bottle
USA	010901	1 gallon (3.78 L)	Bottle
USA	010384*	5 gallon (18.9 L)	Pail

* Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 Gallon (3.78 L)	400 sq. ft. (37 m ²)	1,200 sq. ft. (112 m ²)

* Chart is for estimating purposes.

VOC Content

Maximum VOCs: 25 grams per liter

Aqua Mix®

EFF-Ex®

Product Description

Removes and inhibits efflorescence. Eff-Ex is a non-acidic (pH 7.4), heavy-duty cleaner.

Key Features

- Inhibits the reoccurrence of efflorescence
- Non-acidic formula

Uses

- Natural stone (such as marble, granite, slate, travertine, and limestone), porcelain, quarry, Saltillo, terra-cotta, cement pavers, masonry surfaces, and other porous tile and grout where a natural look is desired.
- Effective for interior and exterior applications.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Not recommended for use on polished marble, limestone, and travertine surfaces.
- If efflorescence appears after surface is sealed, Eff-Ex will remove the efflorescence but its ability to inhibit efflorescence is reduced.
- Not intended for the treatment or removal of hard water build-up and deposits.

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

5 gallon (18.9 L) pail

55 gallon (208.2 L) pail

Technical Data

Technical Chart

PROPERTY	TYPICAL RESULTS
pH	7 (neutral)

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100472	1 gallon (3.78 L)	Bottle
USA	020374	5 gallon (18.9 L)	Pail
USA	100474*	55 gallon (208.2 L)	Drum
Canada	C100913-4	1 quart (946 ml)	Bottle
Canada	C100472	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	30 sq. ft. (2.8 m ²)	125 sq. ft. (12 m ²)

*Chart is for estimating purposes.

Aqua Mix®

Sulfamic Acid Crystals

Product Description

A granular sulfamic acid to be dissolved in water. Removes grout and mortar haze, rust and mineral deposits including efflorescence.

Key Features

- Removes cured grout and mortar haze
- Dissolves rust stains, efflorescence and other mineral deposits

Uses

Acid resistant natural stone, ceramic, porcelain, quarry and grout.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Do not mix with other cleaners.
- Not recommended for highly porous tile such as Saltillo.
- Acids of all kinds may etch, lighten or change the color of cementitious material, metallic glazes and some natural stone such as marble, limestone, travertine and some basalts.

Packaging

1 lb. (.45 kg) Jar
4 lb. (1.8 kg) Jar
50 lb. (22.5 kg) Pail

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	050231	1 lb. (.45 kg)	Jar
USA	050233	4 lb. (1.8 kg)	Jar
USA	050237*	50 lb. (22.5 kg)	Pail
Canada	C050231	1 lb. (.45 kg)	Jar

*Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

Depending on dilution.

SIZE	MIN COVERAGE	MAX COVERAGE
1 pound (.45 kg)	300 sq. ft. (28 m ²)	500 sq. ft. (46 m ²)

*Chart is for estimating purposes.

Aqua Mix® Sealer & Coating Remover

Product Description

A nonflammable, multipurpose stripper formulated to stay wet longer which gives the product time to remove most sealers, epoxy grout haze, urethane coatings, synthetic finishes, adhesives and paints. Also dissolves deep-set stains and removes heavy grease build-up.

Key Features

- Effectively removes sealers, coatings and finishes
- Long dwell time ideal for tough projects
- Cleans deep-set stains, epoxy grout haze, adhesives and paint

Uses

Natural stone (such as granite, limestone, marble, slate, and travertine), ceramic, porcelain, grout, quarry, Saltillo, terra-cotta, cement pavers, and masonry surfaces.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Do not spray.
- Do not use on resinous synthetic agglomerates.

Packaging

1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010262-4	1 quart (946 ml)	Bottle
USA	010263	1 gallon (3.78 L)	Bottle
USA	010264*	5 gallon (18.9 L)	Pail
Canada	C010262-4	1 quart (946 ml)	Bottle
Canada	C010263	1 gallon (3.78 L)	Bottle

*Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 Gallon (3.78 L)	75 sq. ft. (7 m ²)	200 sq. ft. (19 m ²)

*Chart is for estimating purposes.

Aqua Mix® Poultice Stain Remover

Product Description

A dual purpose, non-acidic stain remover. It is an absorptive clay that is designed to remove deep-set oil and grease stains without scrubbing. It is also a fine abrasive cleaning powder that removes stubborn surface stains and light grout haze.

Key Features

- Effectively removes deep-set oil and grease stains
- Safe, non-acidic, abrasive cleaning powder
- Excellent cleaning additive

Uses

All honed, unpolished natural stone (such as granite, limestone, marble, slate, and travertine), porcelain, quarry, Saltillo, terra-cotta, cement pavers, masonry surfaces, and other porous tile and grout.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Light abrasive action or high RPMs on the surface of some marbles may dull the high-polished finish.

Packaging

6 lb. (2.72 kg) Jar
3/4 lb. (.34 kg) Jar

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010861	3/4 lb. (.34 kg)	Jar
USA	010864	6 lb. (2.72 kg)	Jar

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
3/4 lb. (.34 kg)	25 sq. ft. (2.3 m ²)	750 sq. ft. (69.6 m ²)

*Chart is for estimating purposes.

Aqua Mix® Grout Release

Product Description

A temporary, water soluble, pre-grout coating. It provides protection against grout and mortar staining and eases grout cleanup.

Key Features

- Temporary, water-soluble pre-grout coating
- Provides protection against grout and mortar staining
- Installation aid simplifies clean-up

Limitations to the Product

- Prevent build-up of Grout Release in grout joints.
- Do not use acid solutions to clean-up as acid may react with Grout Release, forming a crystalline residue on surface.
- Product may discolor some light colored tile and stone.

Packaging

1 quart (946 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail
55 gallon (208.2 L) drum

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010772-4	1 quart (946 ml)	Bottle
USA	010773	1 gallon (3.78 L)	Bottle
USA	010774	5 gallon (18.9 L)	Pail
USA	010775*	55 gallon (208.2 L)	Drum
Canada	C010772-4	1 quart (946 ml)	Bottle
Canada	C010773	1 gallon (3.78 L)	Bottle

* Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	300 sq. ft. (28 m ²)	600 sq. ft. (55 m ²)

* Chart is for estimating purposes.

Aqua Mix® Grout Haze Clean-Up

Product Description

A safe and effective concentrated cleaner that is added to the grout cleanup water for removal of cementitious grout haze and latex additive film from tile during the grout cleanup process. It may also be used full-strength to remove light grout residue within the first 10 days after grouting.

Key Features

- Add to clean-up water
- Removes grout haze and latex additive film
- Non-acidic formula

Uses

Unpolished natural stone (such as granite, limestone, marble, slate, and travertine), polished granite, ceramic, porcelain, quarry, Saltillo, terra-cotta, cement pavers, masonry surfaces, and other stone and tile surfaces.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Do not use on polished marble or any other acid-sensitive tile or stone.
- Do not use excessive amounts of water during clean-up process as grout pigment may be washed out.

Packaging

1 pint (473 ml) bottle
1 gallon (3.78 L) bottle
5 gallon (18.9 L) pail

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010461	1 pint (473 ml)	Bottle
USA	100062-9	1 gallon (3.78 L)	Bottle
USA	100901*	5 gallon (18.9 L)	Pail
Canada	C010461	1 pint (473 ml)	Bottle
Canada	C100062	1 gallon (3.78 L)	Bottle

* Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	2,400 sq. ft. (223 m ²)	4,800 sq. ft. (446 m ²)

Aqua Mix® NanoScrub®

Product Description

A mild abrasive cream cleaner designed to work where other cleaners won't. It utilizes nano-sized particles to penetrate into small surface pores where it can effectively work to remove surface stains and residues. Effective for cleaning all stone and tile surfaces. Also removes factory-applied waxes, coating sealers, light grout residue (including epoxy), rubber and pencil marks, light mineral deposits, ground-in dirt and most sealer residues. NanoScrub is non-flammable and non-acidic.



Key Features

- Dissolves ground-in dirt from textured surfaces
- Removes factory applied waxes and floor finishes
- Breakthrough NanoSTG™ technology

Uses

Porcelain, ceramic, polished and unpolished natural stone (such as granite, limestone, marble, slate, and travertine), grout, quarry, Saltillo, terra-cotta, cement pavers, masonry surfaces, and other stone, tile and grout surfaces.

Limitations to the Product

Do not allow product to come in contact with any non-recommended surface, including (but not limited to) onyx and soft limestone.

Packaging

1 quart (946 ml) bottle

1 gallon (3.78 L) bottle

Technical Data

Technical Chart

Property	Typical Results
pH	9 - 10

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.

Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100978-4	1 quart (946 ml)	Bottle
USA	100979	1 gallon (3.78 L)	Bottle
Canada	C100978-4	1 quart (946 ml)	Bottle
Canada	C100979	1 gallon (3.78 L)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
1 gallon (3.78 L)	200 sq. ft. (19 m ²)	2,000 sq. ft. (186 m ²)

*Chart is for estimating purposes.

Aqua Mix® KnockDown®

Product Description

A non-acidic honing powder that removes light surface scratches, moderate acid etching and wear patterns to produce a flat, even and honed finish. It is excellent for safely honing polished marble, limestone or travertine to a smooth honed surface when a honed, unpolished finish is desired.

Key Features

- Removes scratches, acid etching and traffic wear patterns
- Produces an even, flat, honed finish
- Safe, acid-free formula

Suitable Tile Types

Limestone, marble and travertine.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Not intended for use as a pre-polish powder.

Packaging

- 2 lb. (.9 kg) jar
- 6 lb. (2.7 kg) jar
- 30 lb. (13.5 kg) pail

Technical Data

Technical Chart

Property	Result
pH	7 - 9

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	100287	2 lb. (.9 kg)	Jar
USA	100288*	6 lb. (2.7 kg)	Jar
USA	100289*	30 lb. (13.5 kg)	Pail

*Indicates a special order item.

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

Coverage depends on the hardness of the stone and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
1 lb. (.45 kg)	100 sq. ft. (10 m ²)	200 sq. ft. (19 m ²)

Aqua Mix® Grout Colorant Pre-Treat Cleaner

Product Description

An effective ready-to-use cleaner designed to remove dirt, soil, soap scum and hard water deposits from grout joints. Prepares non-epoxy grout joints by lightly etching the surface for a superior Aqua Mix® Grout Colorant bond.

Key Features

- Ensures a superior grout colorant bond
- Easy spray-on application
- Ideal for countertops, backsplashes and showers

Suitable Tile Types

Sanded and non-sanded grout joints.

Limitations to the Product

- Do not allow product to come in contact with any non-recommended surface.
- Do not mix with ammoniated cleaners, such as bleach, as harmful fumes will result.
- Not recommended on acid sensitive stone and metallic glazes. Will etch, lighten, or change the color of metallic glazes and some natural stones such as marble and limestone.

Technical Data

Complies with all Federal EPA and SCAQMD standards for VOCs.

Packaging

8 oz (237 ml) bottle



Availability & Cost

	ITEM CODE	SIZE	PACKAGE
USA	010678	8 oz (237 ml)	Bottle
Canada	C010678	8 oz (237 ml)	Bottle

Product Maintenance

Properly installed product requires no special maintenance.

Coverage*

SIZE	MIN COVERAGE	MAX COVERAGE
8 oz (237 ml)	50 sq. ft. (4.6 m ²)	300 sq. ft. (28 m ²)

VOC Content

Maximum VOCs: Less than 1 gram per liter

Aqua Mix® Grout Colorant

Product Description

An easy-to-use, professional grade waterborne epoxy that recolors, seals and rejuvenates dirty or discolored existing grout joints. Use with a variety of grout types, including cement, epoxy, urethane and Single Component® grouts. Also simplifies ongoing grout cleaning by helping to guard against stains by sealing and protecting recolored grout. Includes Microban® antimicrobial protection that prevents the growth of stain-causing mold and mildew on cured colorant.



Key Features

- Easy application and clean-up
- Durable epoxy formula
- Simplifies ongoing grout cleaning

Uses

- Sanded, unsanded and epoxy, urethane and single component grout joints
- Effective for interior and exterior applications

Limitations to the Product

- Grout Colorant is not recommended for use underwater in pools, ponds, or on areas subject to hydrostatic pressure.
- Do not use solvent-based cleaners abrasive equipment or high-pressure washing equipment on recolored grout joints.
- Previously applied sealers, with the exception of Aqua Mix® Penetrating Sealer, Aqua Mix Grout Sealer, Aqua Mix Pro-Solv®, Aqua Mix Ultra-Solv® or Aqua Mix Sealer's Choice® Gold, must be removed to provide a bondable surface. Aqua Mix Sealer & Coating Remover is recommended for this procedure.
- Porous tile may require sealing to ensure colorant is not absorbed into the tile,

Packaging

8 oz (237 ml) bottle

Technical Data

Technical Chart

- Excellent stain resistance
- Complies with all Federal EPA and SCAQMD standards for VOC

Availability & Cost

	ITEM CODE	COLOR	SIZE	PKG
USA	063001	White	8 oz (237 ml)	Bottle
USA	063002	Antique White	8 oz (237 ml)	Bottle
USA	063003	Linen White	8 oz (237 ml)	Bottle
USA	063004	Navajo	8 oz (237 ml)	Bottle
USA	063005	Buff	8 oz (237 ml)	Bottle
USA	063006	Sand	8 oz (237 ml)	Bottle
USA	063007	Beige	8 oz (237 ml)	Bottle
USA	063008	Wheat	8 oz (237 ml)	Bottle
USA	063009	Cinnamon	8 oz (237 ml)	Bottle
USA	063010	Cocoa	8 oz (237 ml)	Bottle
USA	063011	Light Gray	8 oz (237 ml)	Bottle
USA	063014	Black	8 oz (237 ml)	Bottle
USA	063015	Bright White	8 oz (237 ml)	Bottle
USA	063016	Canvas	8 oz (237 ml)	Bottle
USA	063017	Smoke	8 oz (237 ml)	Bottle
USA	063021	Silver	8 oz (237 ml)	Bottle
USA	063022	Natural Gray	8 oz (237 ml)	Bottle
USA	063023	Pewter	8 oz (237 ml)	Bottle
USA	063024	Charcoal Gray	8 oz (237 ml)	Bottle
USA	063025	Pure White	8 oz (237 ml)	Bottle

	ITEM CODE	COLOR	SIZE	PKG
Canada	C063001	White	8 oz (237 ml)	Bottle
Canada	C063002*	Antique White	8 oz (237 ml)	Bottle
Canada	C063003	Linen White	8 oz (237 ml)	Bottle
Canada	C063004*	Navajo	8 oz (237 ml)	Bottle
Canada	C063005*	Buff	8 oz (237 ml)	Bottle
Canada	C063006*	Sand	8 oz (237 ml)	Bottle
Canada	C063007*	Beige	8 oz (237 ml)	Bottle
Canada	C063008	Wheat	8 oz (237 ml)	Bottle
Canada	C063009*	Cinnamon	8 oz (237 ml)	Bottle
Canada	C063010	Cocoa	8 oz (237 ml)	Bottle
Canada	C063011	Light Gray	8 oz (237 ml)	Bottle
Canada	C063014	Black	8 oz (237 ml)	Bottle
Canada	C063015*	Bright White	8 oz (237 ml)	Bottle
Canada	C063016	Canvas	8 oz (237 ml)	Bottle
Canada	C063017*	Smoke	8 oz (237 ml)	Bottle
Canada	C063021*	Silver	8 oz (237 ml)	Bottle
Canada	C063022	Natural Gray	8 oz (237 ml)	Bottle
Canada	C063023*	Pewter	8 oz (237 ml)	Bottle
Canada	C063024	Charcoal Gray	8 oz (237 ml)	Bottle
Canada	C063025	Pure White	8 oz (237 ml)	Bottle

*Indicates a special order item.

Expected Wear

- Expected wear up to 15 years
- Will vary depending on hardness and texture of surface, type of area, surface wear, frequency, and type of maintenance products used.
- Weather conditions, harsh cleaning methods, and high-alkaline, acidic, or solvent-based cleaners will affect wear.

Coverage*

Depends on width and porosity of grout joint, size of tile, and method of application.

SIZE	MIN COVERAGE	MAX COVERAGE
8 oz (237 ml)	50 sq. ft. (4.6 m ²)	300 sq. ft. (28 m ²)

Aqua Mix® Aqua Stain

Product Description

A concentrated translucent stain designed to change the color and enhance the natural texture of porous adobe clay tile. Aqua Stain for Saltillo is available in four designer colors: Adobe Red, Fresco Peach, Piso Blanco, Spanish Oak and Terra Cotta. May also be used as a pre-grout coating to protect porous adobe tile from grout staining when used a minimum of 2 hours before grouting. Allows moisture vapor transmission.

Key Features

- Changes the color of clay tile
- Provides a translucent to opaque effect
- Simplifies maintenance

Suitable Tile Types

- Saltillo and other high porosity Adobe clay tile
- Effective for interior and exterior applications

Limitations to the Product

Previously applied sealers must be removed as Aqua Stain must penetrate into porous tile. Aqua Mix Sealer & Coating Remover is recommended to remove existing sealers.

Packaging

1 pint (473 ml) bottle

Technical Data

Environmental Considerations

Complies with all Federal EPA and SCAQMD standards for VOCs.



Availability & Cost

	ITEM CODE	SIZE	Color
USA	065911	1 pint (473 ml)	Piso Blanco
USA	065921	1 pint (473 ml)	Spanish Oak
USA	065931	1 pint (473 ml)	Terra Cotta
USA	065941	1 pint (473 ml)	Adobe Red

Product Maintenance

Do not use cleaners containing ammonia acids or bleach; use appropriate TileLab or Aqua Mix cleaners.

Coverage*

Coverage may vary depending on type of tile, porosity and texture of surface, method of application and dilution ratio.

SIZE	MIN COVERAGE	MAX COVERAGE
1 pint (473 ml)	50 sq. ft. (4.6 m ²)	400 sq. ft. (37 m ²)

Pallet Quantities

CONTAINER SIZE	QUANTITY PER CASE	QUANTITY PER PALLET
10.1 oz. tube	6	210
10.5 oz. cartridge	10	210
5 1/2 oz. tube	12	312
1 lb. jar		140
1 lb. can		174
5 lb. box	4	70
7 lb. box	4	70
10 lb. box	4	56
15 lb. box		40
17 lb. box		80
17 lb. bag		80
25 lb. bag		100
30 lb. bag		50
40 lb. bag		180
50 lb. bag		50
6 oz. bottle		180
1 pint bottle	6	144

CONTAINER SIZE	QUANTITY PER CASE	QUANTITY PER PALLET
1 quart bottle	3	120
1 quart bottle	12	48
1 quart spray bottle		120
1/2 gallon bottle		112
1 gallon bottle		27
2 1/2 gallon bottle		45
5 gallon bottle		36
1.125 lb. tub		540
2.25 lb. tub / 4 case	4	60
1 quart pail / 6 case	6	84
1 gallon pail / 2 case	2	60
1 gallon pail / 4 case	4	30 or 36
2 gallon pail		48
3 1/2 gallon pail		48
4 gallon pail		48
5 gallon pail		36
6 gallon pail		36
1 pint bottle		6



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Printed in the U.S.A. PPG 3/24R



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