# CUSTOM COMPLETE

## Product Catalog



Flooring Preparation & Installation Products

**CUSTOM**®
TILE INSTALLATION SYSTEMS

# Set Materials

Whether you're selling it, specifying it or spreading it, CUSTOM offers installation solutions to meet the most demanding requirements. We offer an extensive range of high-performance mortars for setting glass tile, large format tile, heavy stone and more. We have the right setting material for every job.

## Polymer-Modified Dry-Set Mortars for Large and Heavy Tile

As tile continues to get larger, installations call for medium bed mortars. CUSTOM's expanded array of large format tile mortars support the weight of tiles with dimensions greater than 15" on any side, as well as natural stone and thin tile panels.
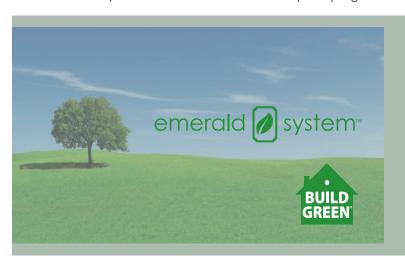
## CUSTOM® Mortars Earn a Lifetime Warranty

CUSTOM is proud to back our premium mortars with a Lifetime Warranty System* when installed with qualifying prep and grout products. We are confident this is the best system, so we have the most comprehensive warranty in the industry, covering not only tile and materials – but also replacement labor. Look for the Lifetime Warranty logo on qualified products.

*See the warranty section on our website for complete program details.

## Emerald System™

The Emerald System addresses critical green building issues such as agency compliance, system warranties and greenhouse gas emissions. All products comply with the standards for leading green building agencies. When a project using Emerald System products is registered for a warranty, CUSTOM will purchase Carbon Credits to offset the amount of $CO_2$ created from the cement used in its products.

# Polymer Modified Thin-Set Mortars

### FlexBond® Fortified Thin-Set Mortar

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.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| FBG25 | 25 lb (11.34 kg) Bag | Gray |
| FBW25 | 25 lb (11.34 kg) Bag | White |
| FB50 | 50 lb (22.68 kg) Bag | Gray |
| FBW50 | 50 lb (22.68 kg) Bag | White |

### Glass Tile Premium Thin-Set Mortar

Offers the ultimate in bond strength for the most demanding installation requirements for larger format glass tile, mosaics and other difficult-to-bond tile and stone. Specifically formulated to provide a consistent bright white backdrop for clear, iridescent and translucent glass tile to accentuate its brilliance and beauty.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| GTMW7-4 | 7 lb (3.2 kg) Bag | White |

### MultiSet Modified Thin-Set Mortar

MultiSet offers 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. Meets ANSI A118.11 when Mortar Admix is added at the required mixing ratio.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| MSMG50 | 50 lb (22.68 kg) Bag | Gray |
| MSMW50 | 50 lb (22.68 kg) Bag | White |

### Porcelain Tile Fortified Thin-Set Mortar

Designed specifically for superior bonding of porcelain tile to concrete surfaces, backerboards and self-leveling underlayments. Also great for glass and large modular tile installations.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| PMG50 | 50 lb (22.68 kg) Bag | Gray |
| PMW50 | 50 lb (22.68 kg) Bag | White |

### VersaBond® Fortified Thin-Set Mortar

Polymer-modified VersaBond offers economy with good bond strengths for floor and wall tile installations. Cures fast, even in cold weather climates.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| MTSG25 | 25 lb (11.34 kg) Bag | Gray |
| MTSG50 | 50 lb (22.68 kg) Bag | Gray |
| MTSW50 | 50 lb (22.68 kg) Bag | White |

### VersaBond Flex® Fortified Thin-Set Mortar

This high performance formula provides outstanding working characteristics while the high flexibility and bond strength deliver excellent performance over a wide variety of floor and wall installations. Excellent for setting porcelain and glass tile, with exceptional adhesion to plywood subfloors.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| VBFG25 | 25 lb (11.34 kg) Bag | Gray |
| VBFW25 | 25 lb (11.34 kg) Bag | White |
| VBFG50 | 50 lb (22.68 kg) Bag | Gray |
| VBFW50 | 50 lb (22.68 kg) Bag | White |

### VersaSet® Fortified Thin-Set Mortar

VersaSet is a high performance modified thin-set mortar that delivers good bond strengths for basic tile and natural stone installations over most common types of surfaces. Meets ANSI A118.4 and A118.11 mixed with water. No need for additives.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| VSG50 | 50 lb (22.68 kg) Bag | Gray |
| VSW50 | 50 lb (22.68 kg) Bag | White |

# Rapid Setting Mortars

### Complete Contact™–LFT Rapid Setting Large Format Tile & Stone Mortar

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 and commercial traffic in 24 hours. Excellent for large format tile and stone, Complete Contact-LFT Rapid Setting Mortar is suited for thin and medium bed applications up to 3/4" (19 mm).

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| CCLFTRSG50 | 50 lb (22.68 kg) Bag | Gray |
| CCLFTRSW50 | 50 lb (22.68 kg) Bag | White |

### Complete Contact™ RS (Rapid Setting) Fortified Mortar

Rapid setting, polymer-modified, full contact mortar can be used in thin-bed and medium-bed applications. Cures fast, developing high early strength for quick installations.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| CCRSG50* | 50 lb (22.68 kg) Bag | Gray |
| CCRSW50* | 50 lb (22.68 kg) Bag | White |

### MegaLite® Rapid Setting Crack Prevention Mortar

Formulated with CustomLite® Technology
A premium one-part formula, MegaLite Rapid Setting offers the ultimate in high, fast bond strength and flexibility for time-critical commercial and residential installations under the most demanding requirements. Allows grouting in under three hours and traffic in four hours. Has the flexibility to withstand horizontal substrate movement up to 1/8" (3 mm) without transmitting cracks through the tile installation. Special order only.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| MLRSG30* | 30 lb (13.6 kg) Bag | Gray |
| MLRSW30* | 30 lb (13.6 kg) Bag | White |

*Indicates a special order item.

# Set Materials continued

## ProLite® Rapid Setting Large Format Tile & Stone Mortar

Formulated with CustomLite® Technology

Industry-leading ProLite Rapid Setting Tile & Stone Mortar is a lightweight, medium bed, rapid-setting mortar. Offers high performance and flexibility designed to obtain fast tenacious bond strength needed for fast track commercial or residential installations. Apply 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 three hours with light traffic in four hours.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| PLRSG30 | 30 lb (13.6 kg) Bag | Gray |
| PLRSW30 | 30 lb (13.6 kg) Bag | White |

## SpeedSet™ Fortified Thin-Set Mortar

Polymer-modified mortar for time-critical installations such as restaurants, malls and hotel lobbies. Excellent for cold temperature installations. Grout in two hours, allows traffic in six hours.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| SDS25 | 25 lb (11.34 kg) Bag | Gray |
| SDSW25 | 25 lb (11.34 kg) Bag | White |

## Complete Contact™–LFT Rapid Setting Large Format Tile & Stone Mortar

See description under Large Format Tile Mortars and Medium Bed Mortars.

# Chemical Resistant Mortar

## EBM-Lite™ Epoxy Bonding Mortar – 100% Solids

Formulated with CustomLite® Technology

Three-component, water-washable mortar system for installations where exceptionally high chemical- and impact-resistance is required. EBM-Lite's unique formula produces a mortar with greater bond and compressive strengths and improved chemical and stain resistance. It is 30% lighter and contains recycled content, contributing to LEED certification.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| EBML | Setting Unit Contains: Part A (2 gallon yield) – 68 fl oz (2 L) Bottle Part B – 32 fl oz (.9 L) Bottle, Part C – 14.4 lb (6.5 kg) Bag | White |

# Polymer-Modified Dry-Set Mortars for Large and Heavy Tile

## Complete Contact™–LFT Rapid Setting Large Format Tile & Stone Mortar

See description under Rapid Setting Mortars.

## FlexBond®–LFT Crack Prevention Medium Bed Mortar

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.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| CFBLFTMW50 | 50 lb (22.68 kg) Bag | White |

## MegaLite® Crack Prevention Mortar

Formulated with CustomLite® Technology

Offers the ultimate in bond strength for the most demanding installation requirements and the flexibility to withstand horizontal substrate movement up to 1/8" (3 mm). It's 40% lighter than other mortars, providing non-sag/non-slip installation on walls. A 30 lb (18.9 kg) bag covers the same area as a 50 lb (22.68 kg) bag of traditional mortar. Excellent for large format tile.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| MLMG30 | 30 lb (13.6 kg) Bag | Gray |
| MLMW30 | 30 lb (13.6 kg) Bag | White |

## MegaLite® Rapid Setting Crack Prevention Mortar

See description under Rapid Setting Mortars.

## Natural Stone & Large Tile Premium Large Format Tile Mortar

Premium, polymer-modified mortar formulated for installing natural stone and large tile. Non-slumping formula eliminates lippage. Excellent sag and slip resistance, wall tiles are held in place immediately. Apply up to 3/4" (19 mm) thick on horizontal applications or use in thin-bed applications as thin as 1/8" (6 mm).

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| MGMMY50 | 50 lb (22.68 kg) Bag | Gray |
| MGMM50 | 50 lb (22.68 kg) Bag | White |

## ProLite® Large Format Tile & Stone Mortar

Formulated with CustomLite® Technology

Offers high flexibility and bond strength in a lightweight formula with excellent handling characteristics. Excellent for setting large format tile or stone, ProLite will not sag or slip on walls and offers non-slump performance for floor installations.

| ITEM CODE | SIZE | COLOR |
|---|---|---|
| PLMG30 | 30 lb (13.6 kg) Bag | Gray |
| PLMW30 | 30 lb (13.6 kg) Bag | White |

## ProLite® Rapid Setting Large Format Tile & Stone Mortar

See description under Rapid Setting Mortars.

### VersaBond®–LFT Professional Large Format Tile Mortar

Versabond-LFT Fortified Large Format Tile Mortar is a general purpose, economical, polymer-modified medium bed 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 up to 3/4" (19 mm) thick on horizontal applications. It bonds well to concrete, backerboard and plywood for interior and exterior applications.

**NEW**

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| VBLFTMG50 | 50 lb (22.68 kg) Bag | Gray |
| VBLFTMW50 | 50 lb (22.68 kg) Bag | White |

## Thick Bed Mortar

### Thick Bed Bedding Mortar

Pre-blended underlayment specifically designed to float a mortar bed for ceramic 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.

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| CTBBM50 | 50 lb (22.68 kg) Bag | Gray |

## Non-Modified Dry-Set Mortars and Additives

### CustomBlend® Standard Thin-Set Mortar

Offers economy with good bond strength and is suitable for floor installations. Good for setting Saltillo and other clay pavers.

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| CBTSG50 | 50 lb (22.68 kg) Bag | Gray |
| CBTSW50 | 50 lb (22.68 kg) Bag | White |

### Uncoupling Mat Mortar

Uncoupling Mat Mortar is an unmodified, all-purpose thin-set for uncoupling systems. Adheres to most surfaces and types of tile.

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| UMMG50 | 50 lb (22.68 kg) Bag | Gray |
| UMMW50 | 50 lb (22.68 kg) Bag | White |

### Mortar Admix

A liquid polymer to be used in place of water to increase performance of Uncoupling Mat Mortar and CustomBlend non-polymer modified grouts or Portland cement mortar mixes. It adds water resistance and improves shock absorption.

| ITEM CODE | SIZE |
|-----------|------|
| AMA2 | 2.5 gal (9.46 L) Bottle |

## SimpleSet®

### Pre-Mixed Thin-Set Mortar

This no-mix, no-mess alternative to traditional thin-set mortars spreads quickly and easily. Bonds ceramic tile up to 18" x 18" (45 x 45 cm).

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| CTTSGQT | 1 quart (.946 L) Pail | Gray |
| CTTSG1-2 | 1 gallon (3.78 L) Pail | Gray |
| CTTSG3 | 3.5 gallon (13.25 L) Pail | Gray |
| STTSW1-2 | 1 gallon (3.78 L) Pail | White |
| STTSW3 | 3.5 gallon (13.25 L) Pail | White |

## Ceramic Tile Adhesives

### AcrylPro® Ceramic Tile Adhesive

AcrylPro spreads quickly and easily, and offers extended open times for adjusting tile. It also provides higher bond strength required for 12" x 12" (30 x 30 cm) ceramic floor tile installations and exceptional durability in wet areas.

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| ARL4000QT | 1 quart (.946 L) Pail | White |
| ARL40001 | 1 gallon (3.78 L) Pail | White |
| ARL40003 | 3.5 gallon (13.25 L) Pail | White |

### OmniGrip® Maximum Strength Adhesive Formulated with CustomLite® Technology

Formulated with more solids and less water, OmniGrip shrinks up to 33% less than traditional tile adhesives to ensure maximum coverage and superior bonds. This high polymer formula remains flexible, so it works in a wide variety of installations. It weighs 25% less than traditional adhesives making it easier to spread and carry.

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| OGA1-2 | 1 gallon (3.78 L) Pail | White |
| OGA3 | 3.5 gallon (13.25 L) Pail | White |

### ReliaBond® Ceramic Tile Adhesive

All-purpose professional adhesive formulated for wall, floor and countertop installations of ceramic and stone tile. Spreads easily and resists slipping on vertical applications.

| ITEM CODE | SIZE | COLOR |
|-----------|------|-------|
| RBM3 | 3.5 gallon (13.25 L) Pail | White |

### T1-60™ Wall & Floor Tile Adhesive

Commercial-grade adhesive forms durable bonds on ceramic wall, floor and countertop installations. High tack, quick grab.

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

*Indicates a special order item.

# Set Materials Guide

**■** Highest Performance    **▲** Highly Recommended    **O** Recommended

Column groups:
- **POLYMER-MODIFIED MORTARS:** FlexBond, Glass Tile Premium, MultiSet, Porcelain Tile, VersaBond, VersaBond Flex
- **RAPID SETTING MORTARS:** Complete Contact–LFT RS, MegaLite Rapid Setting, ProLite Rapid Setting, SpeedSet
- **CHEMICAL RESISTANT MORTAR:** EBM-Lite Epoxy Bonding Mortar
- **POLYMER-MODIFIED DRY-SET MORTARS FOR LARGE AND HEAVY TILE:** FlexBond-LFT, MegaLite, Natural Stone & Large Tile, ProLite, VersaBond-LFT

## FLOORS AND COUNTERTOPS

**Substrate — Residential to commercial:** WonderBoard® Lite Backerboard, Concrete, Mortar Bed, Masonry, Cutback Adhesive Over Concrete

### Application: Interior/Exterior Wet and Dry Areas (Not exposed to freeze/thaw conditions)

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 Non-Vitreous, Semi-Vitreous & Vitreous Including Quarry | ■ | | O | ▲ | O | ▲ | ▲ | ■ | ▲ | ▲ | ■ | ▲ | ■ | ▲ | ▲ | O |
| 2 Impervious Porcelain | ■ | | O | ■ | O | ▲ | ■ | ■ | ▲ | ▲ | ■ | ▲ | ■ | ▲ | ▲ | O |
| 3 Glass | ▲ | ■ | | | | | | ■ | ▲ | | | | ■ | | ■ | |
| 4 Marble, Natural Stone | ■ | | O | ▲ | O | ▲ | ■ | ■ | ■ | O | | ▲ | ■ | ▲ | ■ | O |
| 5 Large Format Tile | | | | | | | ■ | ■ | ■ | | ▲ | ▲ | ■ | ■ | ■ | O |
| 6 Green & Black Marble & Granite, Cement Tile | | | | | | | | | | | ■ | | | | | |

### Application: Exterior Wet and Dry Areas (Including freeze/thaw conditions)

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Non-Vitreous, Semi-Vitreous & Vitreous Including Quarry | ■ | | O | ▲ | O | ▲ | ▲ | ■ | ▲ | | ▲ | ▲ | ■ | ▲ | ▲ | O |
| Impervious Porcelain | ■ | | O | ■ | O | ▲ | ■ | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ▲ | O |
| Glass | | ■ | | | | | | ■ | ■ | | | | | | ■ | |
| Marble, Natural Stone | ■ | | O | ▲ | O | ▲ | ■ | ■ | ■ | O | ▲ | ▲ | ■ | ■ | ■ | O |
| Large Modular Tile | | | | | | | ■ | ■ | ■ | | ▲ | ▲ | ■ | ■ | ■ | O |

**Substrate — Residential to light commercial:** Exterior Grade Plywood, Non-Cushioned Sheet Vinyl, Existing Ceramic Tile, Laminated Countertops

### Application: Interior Wet and Dry Areas

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Non-Vitreous, Semi-Vitreous & Vitreous Including Quarry | ■ | | O | O | O | ▲ | ▲ | ■ | ▲ | O | ■ | ▲ | ■ | O | ▲ | O |
| Impervious Porcelain | ■ | | O | ▲ | O | ▲ | ■ | ■ | ▲ | O | ■ | ▲ | ■ | O | ▲ | O |
| Glass | ▲ | ■ | | | | ▲ | | ■ | ▲ | | ■ | | ■ | | ▲ | |
| Marble, Natural Stone | ■ | | O | O | O | ▲ | ■ | ■ | ▲ | O | ■ | ▲ | ■ | ■ | ■ | O |
| Large Format Tile | | | | | | | ■ | ■ | ▲ | | ▲ | ▲ | ■ | ■ | ■ | O |
| Green & Black Marble & Granite, Cement Tile | | | | | | | | | | | ■ | | | | | |

## WALLS

**Substrate:** Gypsum Wallboard, Greenboard, Cement Plaster

### Application: Interior Dry to Intermittent Water Exposure

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Non-Vitreous, Semi-Vitreous & Vitreous Including Quarry | ■ | | O | ▲ | O | ▲ | | ■ | ▲ | O | ■ | ▲ | ■ | ■ | ▲ | |
| Impervious Porcelain | ■ | | O | ■ | O | ▲ | | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ▲ | |
| Glass | ▲ | ■ | | | | | | ■ | ▲ | | ■ | | ■ | | ▲ | |
| Marble, Natural Stone | ■ | | O | ▲ | | ▲ | | ■ | ■ | O | ▲ | ▲ | ■ | ■ | ■ | |
| Large Format Tile | | | | | | | | ■ | ■ | | ▲ | ▲ | ■ | ■ | ■ | |
| Green & Black Marble & Granite, Cement Tile | | | | | | | | | | | ■ | | | | | |

**Substrate — Residential to Commercial:** WonderBoard Lite Backerboard, Concrete, Mortar Bed, Masonry

### Application: Interior/Exterior Wet and Dry Areas (Not exposed to freeze/thaw conditions)

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Non-Vitreous, Semi-Vitreous & Vitreous Including Quarry | ■ | | O | ▲ | O | ▲ | | ■ | ▲ | O | ▲ | ▲ | ■ | ▲ | ▲ | |
| Impervious Porcelain | ■ | | O | ■ | O | ▲ | | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ▲ | |
| Glass | ▲ | ■ | | | | | | ■ | ▲ | | ■ | | ■ | | ▲ | |
| Marble, Natural Stone | ■ | | O | ▲ | | ▲ | | ■ | ■ | O | ▲ | ▲ | ■ | ■ | ■ | |
| Large Format Tile | | | | | | | | ■ | ■ | | ▲ | ▲ | ■ | ■ | ■ | |
| Green & Black Marble & Granite, Cement Tile | | | | | | | | | | | ■ | | | | | |

### Application: Exterior Wet and Dry Areas (Including freeze/thaw conditions)

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Non-Vitreous, Semi-Vitreous & Vitreous Including Quarry | ■ | | O | ▲ | O | ▲ | | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ▲ | |
| Impervious Porcelain | ■ | | O | ■ | O | ▲ | | ■ | ▲ | ▲ | ▲ | ▲ | ■ | ▲ | ▲ | |
| Glass | ▲ | ■ | | | | | | ■ | ▲ | | ■ | | ■ | | ▲ | |
| Marble, Natural Stone | ■ | | O | ▲ | | ▲ | | ■ | ■ | O | ▲ | ▲ | ■ | ■ | ■ | |
| Large Format Tile | | | | | | | | ■ | ■ | | ▲ | ▲ | ■ | ■ | ■ | |

**Substrate:** Existing Ceramic Tile

### Application: Interior Wet and Dry Areas

| Tile Type | FlexBond | Glass Tile Premium | MultiSet | Porcelain Tile | VersaBond | VersaBond Flex | Complete Contact–LFT RS | MegaLite Rapid Setting | ProLite Rapid Setting | SpeedSet | EBM-Lite Epoxy Bonding Mortar | FlexBond-LFT | MegaLite | Natural Stone & Large Tile | ProLite | VersaBond-LFT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tile Type 1, 2, 4 | ▲ | | O | ▲ | O | ▲ | | ■ | ▲ | O | ▲ | ▲ | ■ | ▲ | ■ | |
| Green & Black Marble & Granite, Cement Tile | | | | | | | | | | | ■ | | | | | |

1 Mix with Mortar Admix when used over plywood.

## POLYMER MODIFIED THIN-SET MORTARS

| PHYSICAL PROPERTIES | FLEXBOND | GLASS TILE PREMIUM | MULTISET |
|---|---|---|---|
| **Applicable ANSI Standards** | A118.15/118.11 | A118.4/118.11 | A118.4/118.11 |
| **Systems Warranty** | Up to Lifetime | Up to Lifetime | |
| **Shear Bond Strength @ 28 days:** | | | |
| Bisque Tile | 600-700 psi | 500-600 psi | 275-325 psi |
| Porcelain Tile | 400-500 psi | 400-500 psi | 200-275 psi |
| Quarry Tile to Plywood | 300-350 psi | 200-300 psi | N/A |
| **Pot Life** | 4 hours | 4 hours | 2 hours |
| **Open Time** | 65–70 minutes | 30 minutes | 50-55 minutes |
| **Adjustment Tile** | 45-50 minutes | 50-70 minutes | 30-35 minutes |
| **Approximate Coverage Range** 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel | 90–100 sq ft/50 lb bag (8.4–9.3 M²/22.68 kg) | 50–55 sq ft/25 lb bag (4.6–5.1 M²/11.34 kg) | 85–90 sq ft/50 lb bag (7.9–8.4 M²/22.68 kg) |
| **Color(s)** | White & Gray | White | White & Gray |

## POLYMER MODIFIED THIN-SET MORTARS

| PHYSICAL PROPERTIES | PORCELAIN TILE | VERSABOND | VERSABOND FLEX | VERSASET |
|---|---|---|---|---|
| **Applicable ANSI Standards** | A118.4/118.11 | A118.4/118.11 | A118.4/118.11 | A118.4/118.11 |
| **Systems Warranty** | Up to 15 Year | Up to 10 Year | Up to 15 Year | |
| **Shear Bond Strength @ 28 days:** | | | | |
| Bisque Tile | 500-600 psi | 450-550 psi | 500-600 psi | 400-500 psi |
| Porcelain Tile | 400-500 psi | 300-400 psi | 350-450 psi | 225-350 psi |
| Quarry Tile to Plywood | 200-300 psi | 150-250 psi | 200-300 psi | 150-175 psi |
| **Pot Life** | 2 hours | 4 hours | 4 hours | 3 hours |
| **Open Time** | 50 minutes | 50-55 minutes | 55-60 minutes | > 45 minutes |
| **Adjustment Tile** | 30-35 minutes | 30-35 minutes | 35-40 minutes | > 20 minutes |
| **Approximate Coverage Range** 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel | 90–100 sq ft/50 lb bag (8.4–9.3 M²/22.68 kg) | 90–100 sq ft/50 lb bag (8.4–9.3 M²/22.68 kg) | 90–100 sq ft/50 lb bag (8.4–9.3 M²/22.68 kg) | 85–90 sq ft/50 lb bag (7.9–8.4 M²/22.68 kg) |
| **Color(s)** | White & Gray | White & Gray | White & Gray | White & Gray |

## RAPID SETTING MORTARS

| PHYSICAL PROPERTIES | COMPLETE CONTACT RS | MEGALITE RAPID SETTING | PROLITE RAPID SETTING | SPEEDSET |
|---|---|---|---|---|
| **Applicable ANSI Standards** | A118.15F/118.11 | A118.15F/118.11 | A118.15F/118.11 | A118.4F/118.11 |
| **Systems Warranty** | Up to 15 Year | Up to Lifetime | Up to 15 Year | Up to 15 Year |
| **Shear Bond Strength @ 28 days:** | | | | |
| Bisque Tile | 450-500 psi | 725-850 psi | 550-650 psi | 425-500 psi |
| Porcelain Tile | 400-475 psi | 650-725 psi | 400-475 psi | 300-400 psi |
| Quarry Tile to Plywood | 225-300 psi | 350-425 psi | 225-300 psi | 150-250 psi |
| **Pot Life** | 40-60 minutes | 40–60 minutes | 40–60 minutes | 30 minutes |
| **Open Time** | 15-20 minutes | > 20 minutes | > 40 minutes | 20 minutes |
| **Adjustment Tile** | 30 minutes | > 20 minutes | > 20 minutes | 20 minutes |
| **Approximate Coverage Range** 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel | 80–90 sq ft/50 lb bag (7.4–8.4 M²/22.68 kg) | 100–110 sq ft/30 lb bag (9.3–10.2 M²/13.6 kg) | 90–100 sq ft/30 lb bag (8.4–9.3 M²/13.6 kg) | 45–50 sq ft/25 lb bag (4.2–4.6 M²/11.34 kg) |
| **Color(s)** | White & Gray | White & Gray | White & Gray | White & Gray |

## CHEMICAL RESISTANT MORTAR

| PHYSICAL PROPERTIES | EBM-LITE BONDING MORTAR |
|---|---|
| **Applicable ANSI Standards** | A118.3 |
| **Systems Warranty** | Up to Lifetime |
| **Shear Bond Strength @ 28 days:** | |
| Bisque Tile | N/A |
| Porcelain Tile | 1000 psi |
| Quarry Tile to Plywood | 1200 psi |
| **Pot Life** | 1 hour |
| **Open Time** | 45 minutes |
| **Initial Set** | 3 hours |
| **Final Set** | 9 hours |
| **Approximate Coverage Range** 1/2" x 1/2" x 1/4" (13 x 13 x 6 mm) square-notch trowel | 50–55 sq ft/1-3/4 gallon unit (4.6–5.1 M²/6.6 L) |
| **Color(s)** | White |

## POLYMER-MODIFIED DRY-SET MORTARS FOR LARGE AND HEAVY TILE

| PHYSICAL PROPERTIES | COMPLETE CONTACT-LFT RS | FLEXBOND-LFT | MEGALITE | MEGALITE RAPID SETTING |
|---|---|---|---|---|
| Applicable ANSI Standards | A118.15F/118.11 | A118.15T/118.11 | A118.15TE/118.11 | A118.15F/118.11 |
| Systems Warranty | Up to 15 Year | Up to Lifetime | Up to Lifetime | Up to Lifetime |
| **Shear Bond Strength @ 28 days:** | | | | |
| Bisque Tile | 450-500 psi | > 550 psi | 725-850 psi | 725-850 psi |
| Porcelain Tile | 400-475 psi | > 450 psi | 650-725 psi | 650-725 psi |
| Quarry Tile to Plywood | 225-300 psi | > 250 psi | 350-425 psi | 350-425 psi |
| Pot Life | 40-60 minutes | 4 hours | 4 hours | 40–60 minutes |
| Open Time | 15-20 minutes | 65-70 minutes | 100-120 minutes | > 20 minutes |
| Adjustment Tile | 30 minutes | 45-50 minutes | 50-70 minutes | > 20 minutes |
| **Approximate Coverage Range** 1/2" x 1/2" x 1/4" (13 x 13 x 6 mm) square-notch trowel | 45–50 sq ft/50 lb bag (4.2–4.6 M²/22.68 kg) | 45–50 sq ft/50 lb bag (3.7–4.6 M²/22.68 kg) | 100–110 sq ft/30 lb bag (9.3–10.2 M²/13.6 kg) | 100–110 sq ft/30 lb bag (9.3–10.2 M²/13.6 kg) |
| Color(s) | White | White & Gray | White & Gray | White & Gray |

## POLYMER-MODIFIED DRY-SET MORTARS FOR LARGE AND HEAVY TILE

| PHYSICAL PROPERTIES | NATURAL STONE & LARGE TILE | PROLITE | PROLITE RAPID SETTING | VERSABOND-LFT |
|---|---|---|---|---|
| Applicable ANSI Standards | A118.4/118.11 | A118.15T/118.11 | A118.15F/118.11 | A118.4/118.11 |
| Systems Warranty | Up to Lifetime | Up to 15 Year | Up to 15 Year | Up to 10 Year |
| **Shear Bond Strength @ 28 days:** | | | | |
| Bisque Tile | 400-500 psi | 550-650 psi | 550-650 psi | 450-550 psi |
| Porcelain Tile | 300-400 psi | 400-500 psi | 400-475 psi | 350-450 psi |
| Quarry Tile to Plywood | 150-200 psi | 225-300 psi | 225-300 psi | 150-250 psi |
| Pot Life | 4 hours | 2 hours | 40–60 minutes | 4 hours |
| Open Time | 65–70 minutes | 60 minutes | > 40 minutes | 50-55 minutes |
| Adjustment Tile | 50-55 minutes | 40 minutes | > 20 minutes | 30-35 minutes |
| **Approximate Coverage Range** 1/2" x 1/2" x 1/4" (13 x 13 x 6 mm) square-notch trowel | 45–50 sq ft/50 lb bag (3.7–4.6 M²/22.68 kg) | 43–48 sq ft/50 lb bag (4.0–4.5 M²/22.68 kg) | 90–100 sq ft/30 lb bag (8.4–9.3 M²/13.6 kg) | 42–47 sq ft/50 lb bag (3.9–4.4 M²/22.68 kg) |
| Color(s) | White | White & Gray | White & Gray | White & Gray |

## DRY SET MORTARS

| PHYSICAL PROPERTIES | CUSTOMBLEND | PHYSICAL PROPERTIES | UNCOUPLING MAT MORTAR |
|---|---|---|---|
| Applicable ANSI Standards | A118.4/118.11 | Applicable ANSI Standards | A118.4 |
| **Shear Bond Strength @ 28 days Mixed With Water:** | | **Shear Bond Strength @ 28 days Mixed With Water:** | |
| Bisque Tile | 225-300 psi | Bisque Tile | 250-325 psi |
| Porcelain Tile | 150-225 psi | Porcelain Tile | 200-250 psi |
| Quarry Tile to Plywood | N/A | Quarry Tile to Plywood | N/A |
| **Shear Bond Strength @ 28 days Mixed With Mortar Admix:** | | **Shear Bond Strength @ 28 days Mixed With Mortar Admix:** | |
| Bisque Tile | 300-400 psi | Bisque Tile | 300-400 psi |
| Porcelain Tile | 200-300 psi | Porcelain Tile | 250-350 psi |
| Quarry Tile to Plywood | 150-200 psi | Quarry Tile to Plywood | 150-200 psi |
| Pot Life | | Pot Life | 90 minutes |
| Open Time | 55 minutes | Open Time | 60-65 minutes |
| Adjustment Time | 40-45 minutes | Adjustment Time | 50-60 minutes |
| **Approximate Coverage Range** 1/4" x 1/4" x 1/4" (6 x 6 x 6 mm) square-notch trowel | 85–90 sq ft/50 lb bag (7.9–8.4 M²/22.68 kg) | **Approximate Coverage Range Mat to Subsurface** 1/4" x 3/16" (6 x 5 mm) V-notch trowel | 150–200 sq ft/50 lb bag (18–19 M²/22.68 kg) |
| | | **Approximate Coverage Range over Schluter-Ditra Uncoupling Membrane to Install Tile** 1/4" x 3/8" x 1/4" (6 x 9.5 x 6 mm) square-notch trowel | 40-50 sq ft/50 lb bag (3.7-4.6 M²/22.68 kg) |
| Color(s) | White & Gray | Color(s) | White & Gray |

# Adhesives Guide

| SUBSTRATES | | | ULTIMATE<br>OMNIGRIP | PRO FORMULA<br>ACRYLPRO | PRO FORMULA<br>RELIABOND / RELIABOND ES | COMMERCIAL GRADE<br>T1-60 |
|---|---|---|---|---|---|---|
| | Exterior Use | Walls - covered areas | ■ | | | |
| | Floors | Concrete | ■ | ▲ | ▲ | ○ |
| | | Backerboards | ■ | ▲ | ▲ | ○ |
| | | Plywood | ■ | ▲ | ▲ | ○ |
| | | Resilient flooring | ■ | ○ | ○ | |
| | | Existing ceramic tile | ■ | ○ | ○ | |
| | Walls | Concrete | ■ | ▲ | ▲ | ○ |
| | | Backerboards | ■ | ▲ | ▲ | ○ |
| | | Drywall, Greenboard | ■ | ▲ | ▲ | ▲ |
| | | Plaster | ■ | ▲ | ▲ | ▲ |
| | | Masonry | ■ | ▲ | ▲ | ○ |
| | | Existing ceramic tile | ■ | ○ | ○ | ○ |
| | Countertops | Backerboards | ■ | ▲ | ▲ | ○ |
| | | Plywood | ■ | ▲ | ▲ | ○ |
| | | Existing ceramic tile | ■ | ○ | ○ | ○ |
| | | Plastic laminate | ■ | ○ | ○ | ○ |

| TILE TYPES | | | ULTIMATE<br>OMNIGRIP | PRO FORMULA<br>ACRYLPRO | PRO FORMULA<br>RELIABOND / RELIABOND ES | COMMERCIAL GRADE<br>T1-60 |
|---|---|---|---|---|---|---|
| | Tile | Floors | UP TO 16" x 16" (40 x 40 cm) | UP TO 12" x 12" (30 x 30 cm) | UP TO 8" x 8" (20 x 20 cm) | UP TO 8" x 8" (20 x 20 cm) |
| | | Ceramic mosaics | ■ | ▲ | ▲ | ▲ |
| | | Wall tile | ■ | ▲ | ▲ | ▲ |
| | | Flat back ceramic | ■ | ▲ | ▲ | ▲ |
| | | Quarry | ■ | ○ | ○ | ○ |
| | | Pavers | ■ | ○ | ○ | ○ |
| | | Gauged slate | ■ | ▲ | ▲ | ○ |
| | | Vitreous tile | ■ | ▲ | ▲ | ○ |
| | | Lugged or button backs[1] | ■ | ○ | ○ | ○ |
| | | Porcelain, Glass mosaics[2] | ■ | ▲ | ▲ | ○ |
| | Marble Tile[3] | Walls | ■ | ▲ | ▲ | |
| | | Floors | UP TO 12" x 12" (30 x 30 cm) | | | |

[1] Wall applications only.
[2] Do not set transparent glass tile.
[3] Do not set moisture sensitive stone, resin backed, light colored or translucent marble.

■ Highest Performance   ▲ Highly Recommended   ○ Recommended

## CERAMIC TILE ADHESIVES

| PHYSICAL PROPERTIES | ULTIMATE<br>OMNIGRIP | ACRYLPRO | PRO FORMULA<br>RELIABOND | COMMERCIAL<br>T1-60 |
|---|---|---|---|---|
| Applicable ANSI Standards | A136.1 Type l | A136.1 Type l | A136.1 Type l | A136.1 Type l |
| Systems Warranty | 15 Year | 1 Year | 1 Year | 1 Year |
| Adjustment Time | >60 min | 45 min | 45 min | 40 min |
| Open Time | >60 min | 75 min | 60 min | 50 min |
| Shear Bond Strength:<br>   Type 1 Water Immersion | Exceeds | Passes | Passes | Passes |
| Freeze/Thaw | Stable | Stable | Stable | Stable |
| Stain Test | Passes | Passes | Passes | Passes |
| Impact Test | Passes | Passes | Passes | Passes |
| Heat Resistance | Passes | Passes | Passes | Passes |
| 3.5 gal (13.2 L) Pail Weight | 31 lbs<br>(14.1 kg) | 53 lbs<br>(24 kg) | 45 lbs<br>(20.4 kg) | 45 lbs<br>(20.4 kg) |
| Approximate Coverage Range per Gallon (3.78 L)<br>3/16" x 5/32" (5 x 4 mm) V-notch Trowel | 40-60 sq ft<br>(3.7 - 5.6 M²) | 40-60 sq ft<br>(3.7 - 5.6 M²) | 40-60 sq ft<br>(3.7 - 5.6 M²) | 40-60 sq ft<br>(3.7 - 5.6 M²) |

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