



Dimension™

Reflective, Pre-Mixed Urethane Grout

**Adds a New
Dimension to All
Tile Installations**

**Unique Reflective
Appearance**

**Limitless Design
Possibilities**

**No Sealing
Required Ever**

Stain-Proof*

**LEED Compliant:
80% Recycled Glass,
Eco-Friendly
Formulation**

Description

Dimension™ Reflective, Pre-Mixed Urethane Grout is a patented, glass filled, ready-to-use, water based, urethane grout. Dimension contains micro glass beads and a translucent, urethane binder that both reflect light as well as allow it to pass through. This creates a unique reflective appearance in all tile installations as well as a three dimensional effect within glass tile installations.

Applications include interior and exterior installation of ceramic, porcelain, glass, metal and natural stone tiles on floors and walls. It can be used in horizontal (floor) grout joint widths from 1/16" to 1/2" and vertical (wall) grout joints from 1/16" to 1/4".

Designed for residential and commercial applications, Dimension offers lifetime stain resistance* and superior crack resistance. It contains built-in urethane sealer technology, so it never needs to

be sealed and is ideal for use in heavy traffic areas as well as wet/submerged environments.

Dimension contains Bostik's Blockade™ antimicrobial protection, which inhibits the growth of bacteria, mold, and mildew on the surface of cured grout and enables it to resist stains caused by mold.

Dimension is a technology engineered to appeal to today's green-conscience marketplace, specifically those seeking to obtain U.S. Green Building Council LEED® certification for their projects. It contains 80% post-consumer, recycled glass and its unique combination of features produces one-of-a-kind specification potential for architects and designers.



*With immediate cleaning and proper maintenance, Dimension is resistant to staining when exposed to the most common household goods and cleaning agents. Long-term exposure to any material can increase the potential for staining.



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Product Benefits

- Unique reflective appearance
- No sealing required ever!
- No color fading, streaking or shading – even when wet!
- Crack-resistant flexibility
- Pre-mixed and ready to use
- Stain resistant*
- Fast, easy installation – installs up to 50% faster than other grouts
- Excess product can be saved and used later (when stored properly in original container)
- UV stable – colors will not yellow or darken
- Bostik's Blockade™ antimicrobial protection
- Dust-free mixing
- 3 hour working time
- Easy water clean-up
- Non-sag formula ideal for vertical surfaces
- May contribute to USGBC LEED® Credits: MR 4.1 & 4.2 (Recycled Content), and EQ 4.1 (Low-Emitting Materials)
- Does not exhibit efflorescence

Directions for Use

Read and understand Technical Datasheet and Material Safety Datasheet completely before beginning installation. Always use protective clothing (gloves and eye protection) when working with grout. When installing your tile, follow applicable ANSI, TCNA and NTCA installation standards.

ALWAYS DO A TEST AREA TO ENSURE PRODUCT SATISFACTION OR TO BECOME FAMILIAR WITH PROPER APPLICATION TECHNIQUES PRIOR TO USE.

Surface Preparation

Ensure tile is firmly set and mortar/adhesive is completely dry (typically 8 to 12 hours – always follow mortar/adhesive manufacturer's instructions) before grouting. Remove all spacers, water, debris and adhesive from tile joints. For best results, surface of tile should be at room temperature 70°F

(21°C) - 75°F (24°C). Urethane materials are affected by temperature and humidity variations. Cool temperatures and/or high humidity will extend cure time. To facilitate cleaning, pre-seal all porous tile and natural stone with a water-based sealer before grouting; ensure that sides of tiles are sealed as well. For glass tile, metal tile, polished marble, stone and other soft surfaces, test grout on a small area to ensure compatibility and scratch-free application. Make sure tile and grout joints are clean and free from solvents/residues before grouting. To speed up installation and reduce potential hazing, or for quarry and other porous tile and/or outdoor applications, pre-wet tile surface using a damp, clean sponge prior to spreading grout. Be careful not to leave standing water on the surface of the tile or in the grout joints.

Mixing

DO NOT add any water, liquid, or other material to Dimension! This will cause grout failure and void all warranties. A translucent, milky liquid may be present on the surface of the grout upon opening the container. This is from normal settling during shipment.

Mix grout in its pail with a margin trowel to bring grout to a uniform mixture. This mixing process should be approximately one minute. Use of a drill mixer is not recommended as it will introduce excessive air into the product and cause grout sagging on vertical applications, a reduction of color uniformity, and/or other performance issues such as pinholes. Continue to remix grout with margin trowel throughout the grouting process.

Installation

Dimension is a new grout technology that allows a simpler application and clean-up process. Pre-treat tile surfaces per Surface Preparation section instructions. Spread grout over the face of the tile using a green, sharp-edged, firm (epoxy/urethane) grout float. Work the grout back and forth at a 45° angle to the face of the tile to ensure that grout joints are fully packed, especially in tight and irregular joints. Failure to fully pack joints may lead to discoloration or mottling.

Spread only within an area that you can reach (arm's length) to apply and clean Dimension at any one time. Remove all excess grout by holding the rubber float at a 90° angle, working diagonally across the face of the tile to prevent grout removal from joints.

Prior to re-grouting applications, completely remove all old grout and any surface contaminants. Be sure to rinse any residual cleaner/solvent out of grout joints, then allow joints to completely dry before re-grouting.

Open Time

Dimension's typical open time is 3 hours. Hot and dry conditions reduce the grout's open time, while cold and humid conditions extend it. Dimension's liquid urethane binder should be wet in appearance. Do not install grout that has liquid urethane binder that has skinned over or appears dry.

Clean-up

For best results, remove grout haze as you work, particularly in warm or dry climates. If working alone, only grout as far as you can reach (arm's length) before initial cleaning. If working as a team, one person should grout, with the other(s) cleaning immediately behind the first person. Clean/rinse sponge in water and wring nearly dry. During installation, urethane grout requires very little water to clean; using too much water during cleanup will dilute the urethane binder and cause curing issues. Clean surface of the tile with a flat sponge, being careful to remove all excess grout and haze. Wipe up spilled water immediately; do not allow water to sit on grout surface or in ungrouted joints. Excessive water used during clean-up can dilute the urethane binder and cause curing issues that may lead to grout failure. Change water after each 100 square feet, for each new bucket of grout, or when water is dirty or milky in appearance. Check work as you clean. Repair any low spots with additional grout. Unlike other grouts, DO NOT over wash too vigorously.

Cure Time

Humidity affects cure to a greater degree than temperature; the lower the humidity, the faster the cure. Under normal conditions, light foot traffic is acceptable after 24 hours; heavy foot traffic after 72 hours. If grouting in ANY wet area wait 7 days before use. See Limitations for further curing requirements.

Secondary Cleaning (if necessary)

Allow cleaned tile areas to dry, then inspect the surface. If additional haze removal is necessary, use of Bostik Blaze™ Urethane Grout Haze and General Purpose Cleaner is recommended. Wait 3 hours in low humidity/warm temperature (<50% RH and > 70°F) environments and 6 hours in high humidity environments / cool temperature (>50%RH and <70°F) environments before using Bostik Blaze. Make sure the grout is cured enough to withstand light finger pressure without losing form. Spray Bostik Blaze on a scrub pad designed for delicate surfaces such as the 3M™Doodlebug™ white cleaning pad. Rub the cleaning pad lightly over the urethane haze on the tile being careful not to touch the grout joints. Note that excessive haze may require direct spray on surface, more dwell time or repeated cleaning. Do not flood the surface with cleaner. Allow Blaze to rest on the tile / stone surface for at least 60 seconds to ensure sufficient penetration. Use a damp sponge and clean water to remove the film and cleaner. Finish by drying the tile surface with a clean towel or cloth. Contact Bostik Technical Service if a persistent haze exists.

Limitations

- Follow manufacturer's instructions for all other setting materials, waterproofing, anti-fracture membranes, etc., used on the job.
- Minimum recommended grout joint width is 1/16" for floors and walls.
- Maximum recommended grout joint width is 1/2" for floors and 1/4" for walls.
- Do not use as a setting mortar.

- Not for use in heavy industrial applications (i.e., chemical plants), in areas subjected to harsh or persistent chemicals, or areas exposed to very aggressive cleaning routines such as pressure washing or steam cleaning.
- Dimension is not a replacement for a waterproofing membrane. When a waterproofing system solution is required, please consult Bostik Technical Service.
- Protect grout from stains and chemicals during the cure process.
- Do not grout when tile surface is above 85° F (30° C).
- Do not use vinegar or acid solutions for clean up.
- Do not use for commercial re-grouting or wet environment re-grouting installations, including showers, steam showers, and outdoor applications.
- Outdoor installations must be protected for 7 days by tenting the grouted area (at least one foot above surface).
- Shower / wet area installations must be protected from moisture and allowed to cure for 7 days.
- Wait 7 days before exposing grouted area to water and/or household cleaners.
- Wait 14 days prior to exposing grout to full water submersion.
- Use care on soft, highly polished surfaces to avoid scratching. Test a small area. Use of a sealer before grouting is always recommended on polished marble, stone, slate and other natural, porous tiles.
- Use an approved waterproofing membrane over mud bed applications. Follow manufacturers' recommendations for all waterproofing materials. For liquid applied waterproofing materials, apply to within 1" of any drains to prevent weep hole blockage.
- Use of enzymatic floor cleaners will void all warranties.
- Caulk all corners (change of plane or expansion joints).
- Not for use in hot tubs.

Storage and Shelf Life

Dimension is guaranteed to remain suitable for use up to a period of two (2) years from date of manufacture if stored unopened at temperatures above 32°F (0°C). After opening, Dimension can be saved for reuse if properly resealed in original container (always wipe the pail

lip clean prior to resealing to ensure proper seal is achieved with the vapor lock lid).

Packaging

Dimension is available in 9 lb. and 18 lb. pails.

Color Selection

This color chart is an approximate color guide only. Colors may vary due to jobsite conditions, absorption of tile, installation methods, or from batch to batch and, therefore, may vary significantly from the Dimension Grout Selector Card.

PRECAUTIONS: Avoid contact with eyes and skin. Use adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area. Do not reuse container.

FIRST AID: In case of contact with eyes, flush eyes with water for at least 15 minutes and call a physician. If ingested, seek immediate medical attention.

FIRE: Dry chemical, foam, carbon dioxide or water.

Limited Warranty

The Limited Warranty for this product can be obtained at www.bostik-us.com/resource-center/warranties or by calling 1-800-726-7845 (choose option 2, then option 2 again). TO THE MAXIMUM EXTENT ALLOWED BY LAW, BOSTIK DISCLAIMS ALL OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES. UNLESS OTHERWISE STATED IN THE LIMITED WARRANTY, THE SOLE REMEDY FOR BREACH OF WARRANTY IS REPLACEMENT OF THE PRODUCT OR REFUND OF THE BUYER'S PURCHASE PRICE. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. Any claim for a defective product must be filed within 30 days of discovery of a problem, and must be submitted with written proof of purchase.

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Typical Physical Properties

Water Cleanability	Pass
Density	13.8 lbs./gallon
Vertical Joint Sag	Pass
Installation Temperature	40°F - 100°F
Shelf Life	2 years
Water Absorption	<1%
Compressive Strength	3,500 psi*
Tensile Strength	510 psi
VOC Content	35 g/L <small>(as calculated by SCAQMD Rule #1168)</small>
Recycled Content	Yes - 80% post consumer glass
Freeze Thaw Stable	8 cycles

* Test results were performed in an actual grout joint.

Typical Working Properties

Working Time	3 hours
Tack-Free Time	8 hours
Ready for Light Foot Traffic	24 hours
Ready for Heavy Foot Traffic	72 hours
Stain Resistant	72 hours*
Showers, steam showers, outdoors	7 days

*Wait 7 days before exposing grouted area to water and/or household cleaners.

18 lb. Unit Coverage Chart (sq. ft.)	Tile Size (inches)	Joint Width						9 lb. Unit Coverage Chart (sq. ft.)	Tile Size (inches)	Joint Width							
		1/16"	1/8"	3/16"	1/4"	3/8"	1/2"			1/16"	1/8"	3/16"	1/4"	3/8"	1/2"		
	1" x 1" x 1/4"	63	32	-	-	-	-		1" x 1" x 1/4"	32	16	-	-				
	2" x 2" x 1/4"	126	63	-	-	-	-		2" x 2" x 1/4"	63	32	-	-				
	3" x 6" x 5/16"	402	206	140	108				3" x 6" x 5/16"	201	103	70	54				
	4" x 4" x 5/16"	382	196	134	102				4" x 4" x 5/16"	191	98	67	51				
	4 1/4" x 4 1/4" x 5/16"	214	107	71	54	36	27		4 1/4" x 4 1/4" x 5/16"	107	54	36	27	18	13		
	4" x 8" x 1/2"	168	84	56	42	28	21		4" x 8" x 1/2"	84	42	28	21	14	11		
	6" x 6" x 1/2"	189	95	63	47	32	24		6" x 6" x 1/2"	95	47	32	24	16	12		
	8" x 8" x 3/8"	337	168	112	84	56	42		8" x 8" x 3/8"	168	84	56	42	28	21		
	12" x 12" x 3/8"	505	253	168	126	84	63		12" x 12" x 3/8"	253	126	84	63	42	32		
	13" x 13" x 3/8"	547	274	182	137	91	68		13" x 13" x 3/8"	274	137	91	68	46	34		
	16" x 16" x 3/8"	673	337	224	168	112	84		16" x 16" x 3/8"	337	168	112	84	56	42		
	18" x 18" x 3/8"	758	379	253	189	126	95		18" x 18" x 3/8"	379	189	126	95	63	47		
	24" x 24" x 3/8"	1010	505	337	168	168	126		24" x 24" x 3/8"	505	253	168	126	84	63		