



Dimension™ RapidCure™

GLASS-FILLED, PRE-MIXED, URETHANE GROUT

KEY FEATURES

- Blends naturally with tile
- No sealing required
- 3 day water exposure

DESCRIPTION

Dimension™ RapidCure™ Glass-Filled, Pre-Mixed, Urethane Grout is a patented, reflective, water based, urethane grout. Dimension™ RapidCure™ contains micro-glass beads and a translucent, urethane binder that both reflect light as well as allow it to pass through. This creates a variety of aesthetic effects in virtually all tile options available today. It may add an elegant sparkle and/or blend naturally with traditional tile and stone. It also creates a three dimensional effect within clear glass tile installations. Dimension™ RapidCure™ is approved for intermittent water exposure after only 3 days of cure (see typical working properties chart for details).

Suitable applications include interior and exterior, residential and commercial installations with ceramic, porcelain, glass, metal, and natural stone tiles on floors and walls in dry to intermittent wet applications. 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".

Dimension™ RapidCure™ offers lifetime stain resistance and superior crack resistance. It contains built-in urethane sealer technology, so it never needs to be sealed for the life of the installation. Dimension™ RapidCure™ also installs up to 50% faster than traditional grouts. Its perfect balance of flexibility and toughness enables it to exhibit unmatched performance and crack resistance.

Dimension™ RapidCure™ 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™ RapidCure™ offers unmatched flexibility and toughness, which when used with Bostik Glass-Mate™ glass tile mortar, offers the most robust system available for glass tile installation. This system is engineered to optimally accommodate the thermal expansion and contraction inherent in glass tile. This unique feature set results in an installation that is significantly less prone to tile or grout cracking due to severe temperature fluctuations.



TYPICAL PHYSICAL PROPERTIES

Description	Results
Water Cleanability (per ANSI 118.3)	Pass
Density	14.8 lbs/gal
Vertical Joint Sag (per ANSI 118.3)	Pass
Installation Temperature Range	40°F - 100°F (4°C - 38°C)
Shelf Life	2 years (in original unopened container)
Water Absorption	<1%
Compressive Strength	>3,500 psi*
Tensile Strength	510 psi
VOC Content	35 g/L (as calculated by SCAQMD Rule #1168)
Recycled Content	60% pre-consumer recycled glass
Freeze Thaw Stable	Pass

*Test results were performed in an actual grout joint.

Dimension™ RapidCure™ is engineered to appeal to today's green conscious marketplace, specifically those seeking to obtain U.S. Green Building Council LEED® certification for their projects. It contains 60% pre-consumer recycled glass and its unique combination of features produces one-of-a-kind specification potential for architects and designers.

Dimension™ RapidCure™ is a revolutionary new technology which employs state-of-the-art urethane chemistry. As yet, there is no current ANSI or ASTM standard for this technology (ANSI 118.3 pertains only to epoxy grout products); however, for comparative purposes, physical and chemical properties are listed on previous page. Dimension™ RapidCure™ is designed to have the perfect balance of physical properties in order to provide flexibility, strength and adhesion, making urethane grouts an excellent choice for a wide variety of applications.

PRODUCT BENEFITS

- Unique reflective appearance
- 3 day water exposure
- No color fading, streaking or shading—even when wet!
- No sealing required ever!
- Crack-resistant flexibility
- Premixed and ready to use
- Chemical and 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, darken or fade
- Bostik's Blockade® antimicrobial protection
- Dust-free mixing
- 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 contribute to efflorescence
- Expands and contracts naturally with glass tile

DIRECTIONS FOR USE

Read and understand this technical data sheet and associated material safety data sheet completely before beginning. Always use protective clothing (gloves and eye protection) when working with grout. When installing tile, follow applicable ANSI, TCNA and NTCA installation standards.

PRIOR TO GROUTING FULL INSTALLATION, APPLY TO A TEST AREA TO BECOME FAMILIAR WITH APPLICATION AND TO ENSURE PRODUCT SATISFACTION.

SURFACE PREPARATION

1. Ensure tile is firmly set and mortar is completely dry. Wait at least 24 hours after setting tile before grouting with Dimension™ RapidCure™. Always follow tile manufacturer's instructions before grouting.
2. 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 to 75°F/24°C). Urethane materials are affected by temperature and humidity variations. Cool temperatures and/or high humidity will slow cure time.
3. 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. The use of a water-based sealer may

TYPICAL WORKING PROPERTIES

Description	Time
Working Time	3 hours
Tack-Free Time	8 hours
Ready for Light Foot Traffic	24 hours
Ready for Heavy Foot Traffic	3 days
Stain Resistant (Food, Beverages, etc.)	3 days
Cure Time Before Intermittent Water Exposure (>70°F/21°C and <50% RH)	3 days

CHEMICAL RESISTANCE PROPERTIES (PER ASTM C267)

Chemical Resistance	Typically Found In	Results
Acetic Acid (3%)	Vinegar	Pass
Ammonium Chloride	Shampoo	Pass
Citric Acid Solution (100 g/L)	Household Cleaners	Pass
Lactic Acid	Milk	Pass
Phosphoric Acid (10%)	Household Cleaners	Pass
Sulfamic Acid (10%)	Cleaning Agents	Pass
Sodium Hypochlorite (1:1) 3%	Bleach, Household Chemicals, Disinfectants	Pass
Hydrochloric Acid (10%)	Muriatic Acid	Pass

Results shown are typical and reflect test procedures used by the Tile Council of North America (TCNA).

also be advantageous for certain types of porcelain tile and/or textured surface tiles including through body porcelain, frosted glass and polished porcelain. For glass, metal, 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.

4. Prior to re-grouting existing grout joints, completely remove all old grout and any surface contaminants. Rinse any residual material out of grout joints, then allow joints to completely dry before re-grouting.

MIXING

1. DO NOT add water, or any other materials to Dimension™ RapidCure™! This will cause grout failure and void all warranties.
2. Upon opening container, a translucent, milky liquid may be present on the surface. This is from normal settling during shipment.
3. Mix grout in pail (approximately 1 minute) by hand with a margin trowel and bring to a uniform mixture. A drill mixer is not recommended as it will introduce excessive air and cause grout sagging on vertical applications, a reduction of color uniformity, and/or other performance issues such as pinholes.
4. Continue to remix grout with margin trowel throughout the grouting process to ensure proper resin dispersion.

INSTALLATION

1. Spread grout over face of tile using a sharp-edged, firm (epoxy/urethane) grout float. Work grout back and forth at a 45° angle to the face of the tile to ensure grout joints are fully packed, especially in tight and irregular joints. Failure to fully pack joints may compromise structural integrity.
2. Spread grout within a reachable (arm's length) area. Then clean-up Dimension™ RapidCure™ within this same area before moving on to another section.
3. Remove all excess grout by holding rubber float at a 90° angle, working diagonally across face of the tile to prevent grout removal from joints.

WORKING TIME

Warm and dry conditions reduce working time, while cold and humid conditions extend it. Dimension™ RapidCure™ liquid urethane binder should be wet in appearance. Do not install grout if the liquid urethane binder has skinned over or appears dry.

CLEAN-UP

1. Remove grout residue and 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.
2. 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.
3. Clean tile surface 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. DO NOT over wash grout joints.

CURE TIME & PROTECTION

1. Humidity affects the rate at which Dimension™ RapidCure™ cures more than temperature. The lower the humidity, the faster the cure.
2. Under normal conditions, light foot traffic is acceptable after 24 hours; heavy foot traffic after 72 hours.
3. Let cure at least 72 hours before exposure to food stains.
4. For ANY area that will later receive intermittent water exposure, allow area to cure 3 days.
5. Wait 7 days before exposing grouted area to household cleaners (see Chemical Resistance Properties Table).
6. Outdoor installations (having proper drainage—no standing water) must be protected for 3 days by tenting the grouted area (at least one foot above the surface).
7. Protect grout from stains and chemicals while curing.

SECONDARY HAZE REMOVAL (If necessary)

Allow cleaned tiles to dry, then inspect the surface. If additional haze removal is necessary, Bostik Blaze™ Urethane Grout Haze Cleaner, Texspar Plus™ or alcohol-based glass cleaner, are recommended. Before using Blaze™, wait 3 hours in low humidity/warm temperature (<50% RH and >70°F/21°C) environments and 6 hours in high humidity/cool temperature

18 LB. UNIT COVERAGE CHART (FT²)

Tile Size	1/16"	1/8"	3/16"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	63	32	-	-	-	-
2" x 2" x 1/4"	126	63	-	-	-	-
3" x 6" x 5/16"	402	206	140	108	-	-
4" x 4" x 5/16"	382	196	134	102	-	-
4 1/4" x 4 1/4" x 5/16"	214	107	71	54	36	27
4" x 8" x 1/2"	168	84	56	42	28	21
6" x 6" x 1/2"	189	95	63	47	32	24
8" x 8" x 3/8"	337	168	112	84	56	42
12" x 12" x 3/8"	505	253	168	126	84	63
13" x 13" x 3/8"	547	274	182	137	91	68
16" x 16" x 3/8"	673	337	224	168	112	84
18" x 18" x 3/8"	758	379	253	189	126	95
24" x 24" x 3/8"	1010	505	337	253	168	126

9 LB. UNIT COVERAGE CHART (FT²)

Tile Size	1/16"	1/8"	3/16"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	32	16	-	-	-	-
2" x 2" x 1/4"	63	32	-	-	-	-
3" x 6" x 5/16"	201	103	70	54	-	-
4" x 4" x 5/16"	191	98	67	51	-	-
4 1/4" x 4 1/4" x 5/16"	107	54	36	27	18	13
4" x 8" x 1/2"	84	42	28	21	14	11
6" x 6" x 1/2"	95	47	32	24	16	12
8" x 8" x 3/8"	168	84	56	42	28	21
12" x 12" x 3/8"	253	126	84	63	42	32
13" x 13" x 3/8"	274	137	91	68	46	34
16" x 16" x 3/8"	337	168	112	84	56	42
18" x 18" x 3/8"	379	189	126	95	63	47
24" x 24" x 3/8"	505	253	168	126	84	63

Average coverage per container - coverage will vary based on tile size, joint width and depth.

(>50% RH and <70°F/21°C) environments. Make sure the grout is sufficiently cured to withstand light finger pressure without losing form. Spray Blaze™ on a nylon cleaning pad (such as a 3M® Doodlebug™) designed for delicate surfaces. Rub the cleaning pad lightly over the urethane haze on the tile being careful not to touch the grout joints. Excessive haze may require direct spray on surface, more dwell time or repeated cleaning. Do not flood 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 film and cleaner. Finish by drying the tile surface with a clean towel or cloth. Contact Bostik Technical Service if a persistent haze exists.

MAINTENANCE CLEANING

For longer term cleaning of cured grout joints, use neutral pH and/or mildly abrasive everyday household cleaners such as Soft Scrub® with Bleach. Do NOT use undiluted bleach or other harsh cleaners.

LIMITATIONS

- Follow manufacturer's instructions for 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 commercial or industrial applications (i.e., chemical plants, commercial kitchens, commercial showers, shipping/receiving, service areas, dairies, breweries, meat packing houses, etc.), or in areas subjected to harsh or persistent chemicals or enzymatic cleaners, or areas exposed to aggressive cleaning routines such as pressure washing or steam cleaning.
- Not a replacement for a waterproofing membrane. When a waterproofing system is required under ceramic tile or stone, consult Bostik Technical Service.
- Do not use on slabs with high moisture emission rates.
- Protect grout from stains and chemicals during the cure process.
- Do not grout when tile surface is above 100°F (38°C).
- Do not use vinegar or acid solutions for clean up during installation process.
- Do not use for commercial re-grouting or wet environment re-grouting installations, including showers, steam showers, and outdoor applications.
- Not for use in hot tubs, steam showers, or areas to be submerged in water (such as pools, fountains or water features).
- Use care when grouting glass, metal or polished surfaces to avoid scratching. Test on a small area first.
- Use of a sealer before grouting is always recommended on frosted glass, marble, stone, slate and other natural, porous tiles.
- Use an approved waterproofing membrane on top of mud bed installations before installing tile or stone. 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 (floor/wall change of plane) with an appropriate caulk after grout has cured, such as Bostik Tub and Tile Caulk™.
- Long-term exposure to any substance increases the potential for staining.

STORAGE AND SHELF LIFE

1. Dimension™ RapidCure™ can be used for a period of up to two (2) years from date of manufacturer if stored in original unopened container at temperatures above 32°F (0°C).
2. After opening, Dimension™ RapidCure™ 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

Available in 9 Lb and 18 Lb pails.

WARNING

IRRITANT. May irritate eyes, skin and respiratory tract. This product contains a chemical known to the State of California to cause cancer, or birth defects, or other reproductive harm.

PRECAUTIONS

Do not get in eyes, on skin or on clothing. Do not breathe fumes. Use with adequate ventilation. Wash thoroughly after handling. Store container in a cool, dry area with lid tightly sealed. Do not reuse container.

FIRST AID

If in eyes or on skin, rinse with water for at least 15 minutes. If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.

FIRE

Dry chemical, foam, carbon dioxide or water.

SEE MATERIAL SAFETY DATA SHEET.

KEEP OUT OF THE REACH OF CHILDREN.

LIMITED WARRANTY

The Limited Warranty for this product can be found 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 WITHOUT LIMITATION WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. 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. BOSTIK DISCLAIMS ANY LIABILITY FOR DIRECT, INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES TO THE MAXIMUM EXTENT ALLOWED BY LAW. DISCLAIMERS OF IMPLIED WARRANTIES MAY NOT BE APPLICABLE TO CERTAIN CLASSES OF BUYERS AND SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. It is the buyer's obligation to test the suitability of the product for an intended use prior to using it. The Limited Warranty extends only to the original purchaser and is not transferable or assignable. 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.

BOSTIK HOTLINE

Smart help
1-800-726-7845

Bostik, Inc.

11320 W. Watertown Plank Road

Wauwatosa, WI 53226

A company of TOTAL

www.bostik-us.com

