



Bostik

Dimension® RapidCure™

GLASS-FILLED, PREMIXED, URETHANE GROUT

KEY FEATURES

- Blends naturally with tile
- No sealing required
- Highly crack resistant

DESCRIPTION

Dimension® RapidCure™ glass-filled, premixed, urethane grout is a patented, water-based, urethane grout. Dimension® RapidCure™ contains reflective, micro-glass beads and a translucent, urethane binder that both reflects light as well as allows 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 unique three-dimensional effect within clear glass tile installations. Dimension®



RapidCure™ offers HXD™ Technology. HXD™ Technology enables only Bostik to offer the highest performance resin system of any premixed grout available. The resin system is the most important factor in grout performance. This breakthrough in polymer chemistry enables Bostik premium, premixed grouts to offer unmatched toughness as well as water and stain resistance.

Bostik HXD™ Technology contains an exceptionally high concentration of cross-linking molecules. This results in a larger, more unified polymer structure, or macro-molecule, which is more durable and resistant to penetration and staining from fluids. These superior characteristics provide unmatched performance in wet environments, which is further enhanced by proprietary additives that repel stains like no other premixed grout.

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.

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. Dimension® RapidCure™ contains a built-in urethane sealer technology, so it never needs to be sealed for the life of the installation, and it also installs up to 50% faster than traditional grouts. Dimension® RapidCure™ is approved for intermittent water exposure after only 3 days of cure.



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™ 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.

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 | 3 years (in original unopened container) |
| 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 |

*Test results were performed in an actual grout joint.

Dimension® RapidCure™ is a revolutionary new technology that employs state-of-the-art urethane chemistry. As of 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 properties are on previous page; chemical properties are at right.

PRODUCT BENEFITS

- Unique reflective appearance
- 3 day intermittent water exposure
- No color fading, streaking, or shading
- Chemical and stain resistant
- No sealing required ever!
- Highly crack resistant
- Premixed and ready to use
- 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 fade
- Bostik's Blockade® antimicrobial protection
- Dust-free mixing
- Easy water cleanup
- 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
- Flexible to expand and contract 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.

INSTALLATION

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

PREPARATION PRIOR TO APPLYING GROUT

1. Ensure tile is firmly set and mortar is completely dry.
NOTE: When waterproofing, ensure waterproofing products are installed over the mud bed (not under). 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. Make sure the tile and the grout joints are clean and free of any contaminants that may inhibit the bond. For best results, the 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, it is helpful to pre-seal porous or matte-finished surfaces (including unglazed porcelain, matte-finished glazed tile, and matte glass) with a water-based sealer (natural stone) or grout release (tile), including sides of natural stone. The textured surfaces of these tiles allow the grout to settle into the textured surfaces during application, making it more difficult to easily clean. For glass, metal, marble, stone, and other soft tiles, prepare a mock-up and test the grout to ensure compatibility and that the grout may be installed without scratching the tile.
4. Prior to regrouting existing grout joints, completely remove all of the old grout and any surface contaminants. Rinse any residual material out of grout joints, then allow joints to completely dry before regrouting.

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).

APPLICATION OF GROUT

1. Lightly dampen a sponge with clean water and apply to the top of the tile in a 2 to 10 square-foot area (an arm's length). Wet tile enough to dampen while ensuring water is not pooling in grout joints.



INSTALLATION TIP: Add 1 tablespoon of Dawn® dishwashing liquid per gallon of water and use to pre-wet tile to act as a grout release on matte finished tile surfaces.

NOTE: Do not use Dawn® dishwashing liquid in water used to clean up grout after application.

WHILE SPREADING GROUT

2. Grout small areas at a time. Typically grout a 2 to 10 square-foot area (an arm's length) or an area you can comfortably grout in **2 to 3 minutes**. It is more a matter of time spent spreading grout than distance covered. Spreading too far without cleaning within two to three minutes will allow the grout to begin to cure on the surface of the tile and create haze issues. Work grout back and forth along the joint holding the float at a 45 degree angle to the face of the tile ensuring grout joints are completely packed. While grouting, be sure you have enough product on the surface of the tile while grouting so you can easily move it around and pack the joints. Then hold the float at a 90 degree angle to the face of the tile and moving the trowel at a 45 degree angle to the line of the grout joint remove the excess grout with the float. This should remove 95% of the grout from the tile surface.



NOTE: For best results, **do not grout a large area** and make sure to clean as you go.

INITIAL CLEANUP

We recommend using a sponge with a blue microfiber on one side and two rinse buckets as follows:

1. Double-rinse your sponge before each cleaning by dipping the sponge into the first bucket of water and then the second bucket of water. Squeeze sponge after rinsing in each bucket.
2. Using the yellow side of the sponge, lightly work the sponge in a circular motion to loosen grout residue on the surface of the tile and tool and form the grout joints. Now dip the sponge in the second bucket of water. Using the blue side of the sponge, hold the sponge flat on the surface of the tile and wipe off excess grout residue at a 45 degree angle to the grout joints.
3. Repeat this process **once** and then move on to the next grouting area. Remember not to spread an area larger than you can clean within 2 to 3 minutes.
4. Change the first bucket of rinse water approximately every 50 to 100 square feet or when the second bucket of rinse water no longer appears clean or clear. This avoids redepositing the clear urethane binder back on the surface of the tile.
5. There is no need to change both buckets of rinse water as you simply move the second bucket into the first bucket position and place the fresh bucket of rinse water in the second bucket position. This saves time and water!

Check your work as you clean. Repair any low spots with additional grout. **DO NOT** over wash grout joints.

INSTALLATION TIP: If working alone, only grout as far as you can reach (arm's length) before cleaning. If working as a team, one person should grout, while the other(s) are cleaning immediately (no more than 2 to 3 minutes) behind the first person.

6. Squeeze as much water out of sponge as possible before placing on tile.



7. Place sponge flat on tile surface and use very light pressure to ensure a full, flush grout joint.



Use light pressure and keep sponge flat on tile surface. Do not bend sponge as this pulls grout from the joint.

AFTER SPREADING GROUT

If this process is followed consistently, the only grout residue remaining should be easily removed by moving a dry cotton (white and lint free) or microfiber cloth across the surface of the tile in a circular motion two or three times.

After grouting for approximately 1½ hours, inspect the area to see if you notice a film/haze on the surface of the tile. If you notice a film or haze, lightly tap the grout joints with your finger to ensure the joint is firm and the grout does not transfer to your finger tip. When joint is firm, use an alcohol-based clear glass cleaner (for luxury vinyl tile, test first on a separate piece for compatibility) to remove any residual film or haze.

Spray alcohol-based clear glass cleaner on a nylon cleaning pad (such as a microfiber towel or 3M® Doodlebug™) designed for delicate surfaces. Rub the cleaning pad lightly over the urethane haze on the

18 LB. UNIT COVERAGE CHART (FT²)

| Tile Size | ¼" | ⅜" | ½" | ¾" | 1" | 1½" |
|----------------|------|-----|-----|-----|-----|-----|
| 1" x 1" x ¼" | 63 | 32 | - | - | - | - |
| 2" x 2" x ¼" | 126 | 63 | - | - | - | - |
| 3" x 6" x ⅜" | 402 | 206 | 140 | 108 | - | - |
| 4" x 4" x ⅜" | 382 | 196 | 134 | 102 | - | - |
| 4½" x 4½" x ⅜" | 214 | 107 | 71 | 54 | 36 | 27 |
| 4" x 8" x ½" | 168 | 84 | 56 | 42 | 28 | 21 |
| 6" x 6" x ½" | 189 | 95 | 63 | 47 | 32 | 24 |
| 8" x 8" x ¾" | 337 | 168 | 112 | 84 | 56 | 42 |
| 12" x 12" x ¾" | 505 | 253 | 168 | 126 | 84 | 63 |
| 13" x 13" x ¾" | 547 | 274 | 182 | 137 | 91 | 68 |
| 16" x 16" x ¾" | 673 | 337 | 224 | 168 | 112 | 84 |
| 18" x 18" x ¾" | 758 | 379 | 253 | 189 | 126 | 95 |
| 24" x 24" x ¾" | 1010 | 505 | 337 | 253 | 168 | 126 |

9 LB. UNIT COVERAGE CHART (FT²)

| Tile Size | ¼" | ⅜" | ½" | ¾" | 1" | 1½" |
|----------------|-----|-----|-----|-----|----|-----|
| 1" x 1" x ¼" | 32 | 16 | - | - | - | - |
| 2" x 2" x ¼" | 63 | 32 | - | - | - | - |
| 3" x 6" x ⅜" | 201 | 103 | 70 | 54 | - | - |
| 4" x 4" x ⅜" | 191 | 98 | 67 | 51 | - | - |
| 4½" x 4½" x ⅜" | 107 | 54 | 36 | 27 | 18 | 13 |
| 4" x 8" x ½" | 84 | 42 | 28 | 21 | 14 | 11 |
| 6" x 6" x ½" | 95 | 47 | 32 | 24 | 16 | 12 |
| 8" x 8" x ¾" | 168 | 84 | 56 | 42 | 28 | 21 |
| 12" x 12" x ¾" | 253 | 126 | 84 | 63 | 42 | 32 |
| 13" x 13" x ¾" | 274 | 137 | 91 | 68 | 46 | 34 |
| 16" x 16" x ¾" | 337 | 168 | 112 | 84 | 56 | 42 |
| 18" x 18" x ¾" | 379 | 189 | 126 | 95 | 63 | 47 |
| 24" x 24" x ¾" | 505 | 253 | 168 | 126 | 84 | 63 |

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

tile being careful not to disturb the grout joints.

Excessive haze may require a direct spray on the surface of the tile, more dwell time, or repeated cleaning. Do not flood surface with cleaner. Allow cleaner to rest on the tile/stone surface for at least 60 seconds to ensure sufficient penetration. Use a damp sponge and clean water to rinse and remove film and cleaner. Finish by drying the tile surface with a clean towel or cloth. Remove any remaining film/haze before moving to next area to be grouted. This process eliminates the chances of having to go back for secondary haze removal (next day).

NOTE: Videos for the prevention and removal of haze are available at www.youtube.com/BostikUSA.

RESIDUAL HAZE

If additional haze removal is necessary, Bostik Blaze™ Urethane Grout Haze Cleaner or Tekspar Plus™ may be used. Make sure the grout is sufficiently cured to withstand light finger pressure without losing form. The approximate waiting time before additional cleaning is 3 hours in low humidity/warm temperature (<50% RH and >70°F/21°C) environments and 6 hours in high humidity/cool temperature (>50% RH and <70°F/21°C) environments. 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 disturb 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.

MAINTENANCE

After grout has completely cured, for daily cleaning, use a neutral pH, water-based cleaner designed to be used for ceramic tile. Periodically or when grout joints appear soiled, a mildly abrasive everyday household cleaner such as Soft Scrub® with bleach may be used. Apply Soft Scrub® with bleach directly on the grout joint and allow it to sit for approximately 5 minutes. Then, gently scrub the grout joints with a white scrub pad, rinse and allow to dry. **DO NOT** use undiluted bleach or other harsh chemicals. The use of "No Rinse" and/or acid base cleaners are not recommended.

CURE TIME & PROTECTION

1. Humidity, more than temperature, affects the rate at which Dimension® RapidCure™ cures. 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 the area to cure 3 days.
5. Wait 7 days before exposing grouted area to household cleaners (see Chemical Resistance Properties Table).
6. Protect outdoor installations (having proper drainage with no standing water) for 3 days by tenting the grouted area (at least one foot above the surface).
7. Protect grout from stains and chemicals while curing.

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 with river rock or pebble tiles as joints may exceed 1/2 inches.
- 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.
NOTE: When waterproofing, ensure waterproofing products are installed over the mud bed (not under).
- 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 cleanup during installation process.
- Do not use for commercial regrouting or wet environment regrouting 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.
- For installations that require enhanced chemical resistance use Bostik 1900™.
- For installations where a high chemical and stain resistance is required; use EZPoxy™ EZClean™, which meets ANSI A118.3.

- 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 Pure Silicone™ Sealant or Tub and Tile Caulk™.
- Long-term exposure to any substance increases the potential for staining.

STORAGE/SHELF LIFE

1. Dimension® RapidCure™ can be used for a period of up to three (3) 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).
3. Do not freeze.

FIRST AID TREATMENT

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.

CAUTION

IRRITANT. MAY IRRITATE EYES, SKIN AND RESPIRATORY TRACT. 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

KEEP OUT OF REACH OF CHILDREN

SEE SAFETY DATA SHEET

CHEMICAL EMERGENCY: 800-424-9300 (USA),
703-527-3887 (International)

MEDICAL EMERGENCY: 866-767-5089

LIMITED WARRANTY

Limited Warranty found at www.bostik.com/us or call 800.726.7845. 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

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