



UNSANDED TILE GROUT 800

Description

ProSpec® Unsanded Grout is a portland cement based blend providing hard, uniformly colored, wear resistant joints with greater bond and compressive strength.

Features

- Available in 38 colors
- Interior or exterior use
- Meets ANSI A118.6
- Can be used for grout joints up to 1/8" (3 mm) wide
- Polymer modified - just add water
- For wall, floor or ceiling applications
- Contains Micro Defense® Technology for mold and mildew resistance

Uses

For grouting of:

- Ceramic tile
- Porcelain tile
- Other natural stone
- Glass tile
- Marble

Technical Data

Typical Values

Set Time ASTM C 266

| | |
|-------------|---------|
| Initial set | 4 hours |
| Final set | 5 hours |

Compressive Strength

| | |
|---------|-------------------|
| 28 days | 3200 psi (22 MPa) |
|---------|-------------------|

Tensile Strength

| | |
|---------|-------------------|
| 7 days | 400 psi (2.8 MPa) |
| 28 days | 450 psi (3.1 MPa) |

Flexural Strength

| | |
|--------|--------------------|
| 7 days | >850 psi (5.9 MPa) |
|--------|--------------------|

Water Absorption

| | |
|------------------------------------|--------|
| 50% relative humidity/ immersed | 12-14% |
|------------------------------------|--------|

Linear Shrinkage

| | |
|--------|-------|
| 7 days | <0.1% |
|--------|-------|

Tested using 1.6 qts. (1.5 L) per 10 lb. (4.5 kg) bag.

Preparation

Surfaces must be dry and clean of dust and foreign materials, e.g., oil, grease and dirt. Thoroughly brush or vacuum surface and grout joints to insure that loose dust and dirt particles are removed. The tile surface must be frost-free. Temperatures must

be above 40° F (4° C) during installation and 72 hours thereafter.

NOTE: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

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Mixing

Use cool, clean water (drinking water is best), clean tools and clean containers.

1. Add just enough dry powder to the liquid to have a stiff dry consistency (1.6 quarts (1.5 L) per 10 lb. bag (4.5 kg)). Too much water will result in soft grout joints and cause variations in color.
2. Mix thoroughly to a lump-free, trowelable consistency. Let stand 10 minutes to give all chemicals time to slake. Remix and use.
3. If using a mechanical mixer, do not exceed 150 r.p.m. to avoid whipping air into mix which will reduce the strength of the grout.
4. Do not add more liquid or dry grout to the mix after slaking.

Application

If in doubt as to the suitability of a certain tile, make a test panel to determine if the grout can be completely cleaned from the surface. A pre-grout sealer may be required. Use in accordance with the current TCA Handbook and ANSI A. 108.10. Temperatures must be between 40° F (4° C) and 100° F (38° C).

1. Wipe the tile surface with a damp cloth before grouting.
2. While holding a hard, rubber grout float at a 45 degree angle to the surface of the tile, trowel the mixed grout over the surface and into the grout joint being careful to assure that all joints are completely filled.
3. As soon as possible, remove excess grout from the tile surface with the same grout float held at a 90° angle and moving diagonally across the joints. Strike the joint with the blunt end of a tool, compacting the surface but not digging out the grout.

Clean Up

1. Clean remaining grout from the tile surface as soon as grout firms up enough to be worked without being pulled from the joint.
2. Use the wet Turkish towel method, or a pad of dampened cheesecloth (the thread count of 28 x 24) or a very dry sponge to clean the tile surface and bring grout to finish contour and texture.

For the wet Turkish towel method, fill two five-gallon buckets 3/4 full of clean cool water. Wet

Turkish towel and wring out all excess water. Pull flat dampened towel diagonally across surface of tile from corner to corner, rinse frequently. This will remove remaining grout residue and smooth the surface of the grout joint. Continue this procedure by repeatedly washing and wringing out the Turkish towel in clean cool water. A good indication that water is too dirty for effective cleaning is a milky appearance on the tile surface.

Finishing

1. Floors should be protected from general traffic and use for at least 24 hours after grouting.
2. Clean off haze the next day by buffing with a dry towel. If too stubborn, the film can be removed with a white nylon pad or with mechanical scrubbers and ProSpec® Grout Haze Remover.
3. Sealing the grout (ProSpec Grout Sealer) is recommended but not mandatory.

Do not use muriatic acid for clean up purposes. Sulfamic acid is recommended (after 24 hours of curing).



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Best Performance

- Apply when air or substrate temperature is between 40° F (4° C) and 100° F (38° C) within 24 hours of application. For applications outside this range of temperatures, contact ProSpec Technical Service
- Spread grout across tile surface using a rubber trowel, float or squeegee trowel at a 45° angle packing the grout fully into the joint.
- Remove excess grout from surfaces of the tile by holding the grout float at a 90° angle going across tile diagonally from corner to corner.
- Do not add water or latex additive to grout after slaking. Discard grout that becomes too stiff to apply.
- Never grout a joint with foreign material in it, such as dirt or squeezed up setting material. Joints will not dry uniformly and may show stains or discoloration.
- Always follow the adhesive manufacturer's directions for grouting tile set with adhesive.
- Always mix grout to a thick, lump free trowelable consistency. Too much water will weaken the grout and cause variations in color.
- Efflorescence, a white crystalline powder, can naturally occur with any portland cement product. Use industry accepted cleaning procedure to remove any efflorescence
- Grout color tends to darken when wet and final grout color may vary due to site conditions, tile porosity, mixing ratios, variety of tile types/ colors used, installation techniques and cleaning methods

NOTE: If unusual conditions exist, or if you are unsure about any aspect of a job or material, contact your tile distributor or ProSpec Technical Service.

Packaging

10 lb. (4.5 kg) (4/case) and 25 lb. (11.3 kg) (White only)

Shelf Life

One year from the date of manufacture when stored in the original closed container away from moisture. Store in a dry area; keep out of direct sunlight.

Coverage

| Tile Size - Inches (millimeters) | Square Feet (sq. meters) | |
|---|--------------------------|-----------------------|
| | 10 lbs. (4.5 kg) Bag | 25 lbs. (11.3 kg) Bag |
| 4 1/4 x 4 1/4 x 7/32 (106 x 106 x 4.1) | 158 (14.6) | 395 (36.6) |
| 4 1/4 x 4 1/4 x 5/16 (106 x 106 x 7.8) | 111 (10.3) | 278 (25.7) |
| 6 x 4 1/4 x 5/16 (150 x 106 x 7.8) | 130 (12.0) | 325 (30.0) |
| 6 x 6 x 5/16 (150 x 150 x 7.8) | 156 (14.4) | 390 (36.1) |
| 6 x 8 x 1/4 (150 x 203 x 6.4) | 223 (20.6) | 558 (51.7) |
| 8 x 12 x 1/4 (203 x 300 x 6.4) | 312 (28.9) | 780 (72.2) |
| 4 1/4 Octagon with dots | 103 (9.5) | 258 (23.9) |
| 4 1/4 x 4 1/4 x 5/16 Scored SD-1 | 40 (3.7) | 100 (9.3) |
| 4 1/4 x 4 1/4 x 5/16 Scored SD-4, SD-5 | 60 (5.6) | 150 (13.9) |
| Hexagon 5 x 4 5/16 x 5/16 (127 x 109 x 7.8) | 80 (7.4) | 200 (18.5) |
| 12 x 12 x 3/8 (305 x 305 x 9.5) 1/8" (3.2) | 130 (12.0) | 325 (30.0) |

NOTE: Calculations based on a 1/16" grout joint.



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Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS. WARNING!

MAY CAUSE SKIN AND EYE BURNS OR IRRITATION.

INHALATION IS KNOWN TO CAUSE CANCER OR DELAYED LUNG INJURY.

Avoid contact with eyes and skin. This product contains hydraulic cement and lime. When mixed

with water and/or latex, it results in a solution that is highly alkaline and may burn or irritate the eyes or skin. Wear safety glasses or goggles, protective clothing, shoes and gloves to prevent eye and skin contact. Do not take internally.

Avoid breathing dust. This product contains crystalline silica. Prolonged exposure to crystalline silica dust is known to cause lung

cancer or delayed lung injury, including silicosis. Take measures to eliminate or control dust while handling or placing this product. Wear a respirator approved for protection against crystalline silica dust.

Crystalline silica has been classified by IARC and NTP as a carcinogen.

First Aid

If swallowed, drink one or two glasses of water to dilute. Do not induce vomiting unless directed to do so by medical personnel. SEEK IMMEDIATE MEDICAL ATTENTION. In case of contact, flush eyes or skin thoroughly for a minimum of 15 minutes with clean water and get prompt medical

attention. Wash clothing and thoroughly clean shoes before reuse.

For additional information, call Bonsal American at 704-525-1621 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA.

Refer to Material Safety Data Sheet (MSDS) for further information.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND. Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.