



Unsanded Grout



PORTLAND CEMENT GROUT

Tile Perfect™ Unsanded Grout is a polymer enhanced, unsanded Portland cement grout for grouting tile joints up to 1/8" wide. Just mix with water. For interior/exterior use.*

*For exterior applications it is required to use Grout Boost™ in place of water as directed on Grout Boost label. Refer to Grout Boost packaging for product capabilities, instructions and limitations. The use of Grout Boost requires a minimum of 10 days to cure.

- Ideal use for glass, marble or wall and countertop installations
- Highly durable and wear resistant
- Excellent stain resistance when mixed with Grout Boost® additive

Warranty

For details about our limited warranties, see your sales associate or www.hbfuller-cp.com/tp.

Product Specifications

Mixed with water and tested in accordance with ANSI A118.6 Specifications for Ceramic Tile Grouts, Commercial Portland Cement.

Description	ANSI Requirement	Typical Results
28 Day Compressive Strength	≥ 3000 psi (20.7 MPa)	4500-6000 psi (31.1-41.5 MPa)
28 Day Tensile Strength	≥ 300 psi (2.0 MPa)	350-500 psi (2.4-3.4 MPa)
28 Day Flexural Strength	≥ 500 psi (3.4 MPa)	850-1100 psi (5.8-7.5 MPa)
27 Day Linear Shrinkage	< 0.30% shrinkage	0.11-0.12% shrinkage
Water Absorption	< 18% absorption	14-16% absorption
Description		
Physical State	Dry powder	
Color	Available in white, gray and pigmented colors	
Pot Life	1 to 2 hour	
Initial Cure [at 72°F (22°C)]	24 hours	
Final Cure	21 days	
Foot Traffic Rating (ASTM C627)	Residential to Heavy Commercial	

Limitations

Do not use in temperatures below 50°F (10°C). Although Tile Perfect Unsanded Grout chemically controls the curing process to help ensure color consistency, color variation can occur in any Portland cement product due to job conditions and cleaning methods.

Efflorescence (a whitish powder or surface crust) can occur in any Portland cement product. Tile Perfect Unsanded Grout is made with Portland cement and for this reason, H.B. Fuller Construction Products Inc. ("HBF-CP") cannot guarantee that efflorescence will not occur. To remove efflorescence, allow grout to cure a minimum of 10 days, then use a mild acid cleaner or an efflorescence remover for non-acid sensitive tile and stone. Follow industry accepted acid or non-acid cleaning procedures.

Acid cleaning of unglazed tile, marble or natural stone is not recommended. For further information contact Technical support if needed.

Packaging

9.75 lbs. (4.42 kg) PurePak

Color

Various colors. See sales associate for color chart.

Coverage

Figures below are presented only as guidelines.

Tile Size	Approximate Coverage per Pound (0.454 kg)	
	Joint Width	
	1/16" (1.5 mm)	1/8" (3 mm)
1" x 1" x 1/4" (25 x 25 x 6 mm)	4.45 s.f. (0.41 m ²)	2.23 s.f. (0.21 m ²)
2" x 2" x 1/4" (50 x 50 x 6 mm)	8.90 s.f. (0.83 m ²)	4.45 s.f. (0.41 m ²)
4-1/4" x 4-1/4" x 1/4" (108 x 108 x 6 mm)	18.90 s.f. (1.76 m ²)	9.44 s.f. (0.88 m ²)
6" x 6" x 1/4" (150 x 150 x 6 mm)	27.67 s.f. (2.48 m ²)	13.33 s.f. (1.24 m ²)
6" x 8" x 1/4" (150 x 200 x 6 mm)	30.49 s.f. (2.83 m ²)	15.24 s.f. (1.42 m ²)
8" x 10" x 1/4" (200 x 250 x 6 mm)	39.56 s.f. (3.30 m ²)	19.76 s.f. (1.84 m ²)
12" x 12" x 3/8" (300 x 300 x 10 mm)	35.56 s.f. (3.30 m ²)	17.78 s.f. (1.65 m ²)
16" x 16" x 3/8" (400 x 400 x 10 mm)	47.50 s.f. (4.41 m ²)	23.70 s.f. (2.20 m ²)
24" x 24" x 3/8" (600 x 600 x 10 mm)	71.00 s.f. (6.60 m ²)	35.50 s.f. (3.30 m ²)

Surface Preparation

Proper preparation of the tile and joint surfaces is important and will help promote a quality installation. The joints between the tiles should be free from foreign materials, and be at least 2/3 of the thickness of the tile in depth. High ridges of adhesive or mortar should be raked out. Rubber or plastic tile spacers, if used, should be removed prior to grouting. Tiles should be held firmly in place according to manufacturer's instructions before grouting.

When Tile Perfect Sanded Grout is mixed with water and used under dry or hot conditions, the tile should be dampened with a wet sponge prior to grouting. Avoid any accumulation of water in joints.

Due to rough surface texture or high porosity, some tiles require sealing prior to grouting. Consult the tile manufacturer's/fabricator's literature for advice regarding this point. HBF-CP recommends the use of a tile pre-sealer for protecting your tile or stone from grout staining during installation.

Notes: Certain tile surfaces, including glazed ceramic tile, marble, stone and agglomerate tile can be scratched, stained or damaged when grouted with sanded/colored grout. Follow tile manufacturer/fabricator recommendations or test a small area prior to use to determine suitability.

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Use of Tile Perfect Unsanded Grout may be appropriate for many tiles not suitable for use with a sanded grout.

For industrial and commercial installations where chemical resistance is required, use an epoxy grout in accordance with ANSI A118.3 recommendations.

Mixing Instructions

Mixing—With Water: For best results, maintain all tiling materials, substrates, room and adhesives at 50°-70°F (10-21°C) for 24 hours before and 48 hours after installation.

In a clean mixing container, slowly add product to 1.25-1.5 quarts (1.2-1.4 L) clean, cool water. Mix well for 2-4 minutes. Avoid breathing dust and contact with eyes and skin. Allow mixture to “slake” (sit in the container) for 10 minutes. Slaking allows the water, Portland cement and other ingredients to react properly. Remix for 1-2 minutes before using. The working time (pot life) when mixed this way is approximately 1 to 2 hours.

Note: If less than a full container of Tile Perfect Unsanded Grout is going to be mixed at one time, or multiple bags are used from different lot numbers, mix the dry grout prior to taking out desired amount. (The fine pigment particles may settle during shipment and color variance can occur in the finished joint unless you first dry blend in this fashion.)

To ensure color consistency across the installation, use the same liquid to grout proportions when using multiple containers for the same job.

Mixing—With Grout Boost®: For exterior or other applications subjected to freeze/thaw conditions or other ANSI A118.7 applications, use Grout Boost in place of water where increased flexibility is desired or high water resistance is required.

Application Instructions

Fully pack the joints between the tiles by spreading Tile Perfect Unsanded Grout with a clean, hard rubber float. Work only a small area at one time [5-10 sq. ft. (0.5-1 m²)]. Apply in a diagonal direction across the joint lines to prevent the grout from being dragged out of the joints. Go over each area several times from all directions to make sure that the grout is fully packed in. Remove any excess grout from the surface of the tile by holding the float at a 90° angle to the surface and moving it diagonally across the joints. Repeat the entire process until all joints are grouted.

Clean Up

Allow the grout to firm up in the joints, 30-60 minutes for grout mixed with water and 30 minutes for grout mixed with Grout Boost. Wet a grout sponge in a pail containing cool, clean water and wring out all excess liquid. Move the dampened sponge across the tiles diagonally to smooth the grout down to the proper height in the joint. Continue this procedure, repeatedly rinsing the sponge in clean water (changing out

the dirty rinse water with clean water as needed) and wringing out excess liquid. Do not allow excess cleaning water to remain on the surface of the grout joint. Allow the grout to dry an additional hour before removing any remaining grout residue with a dampened terrycloth towel.

For removing any remaining grout residue, contact HBF-CP technical support.

Protection

Protect the finished installation from traffic or impact for at least 24 hours; from water immersion or freezing for at least 72 hours. The use of Grout Boost requires a minimum of 10 days to cure, prior to getting wet. No sealer required if mixed with Grout Boost. If grout has not been mixed with Grout Boost, sealing grout is recommended. Consult sealer directions for proper application.

Cautions

CAUTION! EYE, SKIN AND RESPIRATORY IRRITANT. Avoid breathing dust. Avoid contact with eyes, skin and clothing. If in eyes, rinse with water 20 minutes. If on skin, rinse well with water. For additional information, see Material Data Safety Sheet (MSDS) for this product. WARNING! This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. KEEP OUT OF REACH OF CHILDREN. For Medical Emergency Information, call 1-888-853-1758.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Tile Perfect™ brand product(s) under normal environmental and working conditions. Because each project is different, H.B. Fuller Construction Products Inc. cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

Storage/Shelf Life

Store in a cool, dry area away from direct sunlight. Do not store open containers. Maximum shelf life is 1 year from date of manufacture in unopened package.

Customer and Technical Services

Customer support

Toll Free: 800-832-9002

Fax: 800-952-2368

Technical assistance

Information is available by calling the Technical Support Hotline.

Toll Free: 800-832-9023

Fax: 630-952-1235



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