1. PRODUCT NAME

TEC® AccuColor® Premium Unsanded Grout
(620)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.832.9023 Technical Support
800.952.2368 Fax
tecspecialty.com

3. DESCRIPTION

Premium polymer-enhanced AccuColor® unsanded cement grout is specially formulated to assure you of smooth, color consistent, dense joints, even in hot, dry conditions or with highly absorptive tile. Designed for grouting small joints up to $\frac{1}{8}$" (3 mm), primary uses include walls, tub enclosures and countertops. It's also used for grouting marble and other natural stone floor, where sanded grouts could scratch delicate tile surfaces. All AccuColor® brand grouts chemically control the curing process to help ensure that grouts are evenly colored. The result is rich, uniform pigmentation and strong, smooth joints. Mixed with water, AccuColor® unsanded grouts meet ANSI A118.6 Specifications for Commercial Cement Grout. For exterior use in freeze/thaw conditions or other ANSI A118.7 Latex Cement Grout applications, mix with TEC® Acrylic Grout Additive.

Key Features and Benefits

- For grouting tile joints up to $\frac{1}{8}$" (3 mm)
- Best for wall tile and marble
- Polymer enhanced for improved performance
- Non-shrinking, cures hard
- Interior/exterior use
- Meets ANSI A118.6 specifications.
- Meets ANSI A118.7 specifications when mixed with TEC® Acrylic Grout Additive
- Contributes to LEED® project points
- VOC 0

Packaging

25 lb. moisture-resistant bags (11.34 kg)†
9.75 lb. plastic bag (4.42 kg)
9.75 lb. Pure Pak* container (4.42 kg)
1 lb. plastic pail (0.454 kg)

† Special order for some colors.

* Registered trademark of Excello Corporation

Color

Available in 32 colors. Contact H.B. Fuller Construction Products Inc. ("HBF-CP") for a current color selection card.

Substrate 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 $\frac{2}{3}$ 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 AccuColor® grout is mixed with water and used under dry or hot conditions, the tile should be dampened with a sponge or by fogging 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.

Notes: Certain tile surfaces may be stained when grouted with colored grout. Follow tile manufacturer/fabricator recommendations or test a small area prior to use to determine suitability.

For industrial and commercial installations where chemical resistance is required, use TEC® AccuColor EFX® Epoxy Grout and Mortar in accordance with ANSI A118.3 recommendations.

Coverage

Figures shown in the chart are presented only as guidelines.

Tile Size	Approximate Coverage			
	ft² per Pound		m² per Kilogram	
	Joint Width		Joint Width	
	$\frac{1}{16}$"	$\frac{1}{8}$"	1.5 mm	3 mm
1" x 1" x $\frac{1}{4}$" 25 x 25 x 6 mm	4.4 ft²	2.2 ft²	0.9 m²	0.5 m²
2" x 2" x $\frac{1}{4}$" 50 x 50 x 6 mm	8.9 ft²	4.4 ft²	1.8 m²	0.9 m²
3" x 6" x $\frac{1}{4}$" 75 x 150 x 6 mm	17.8 ft²	8.9 ft²	3.6 m²	1.8 m²
4$\frac{1}{4}$" x 4$\frac{1}{4}$" x $\frac{1}{4}$" 108 x 108 x 6 mm	18.9 ft²	9.4 ft²	3.9 m²	1.9 m²
6" x 6" x $\frac{1}{4}$" 150 x 150 x 6 mm	26.7 ft²	13.3 ft²	5.5 m²	2.7 m²
6" x 24" x $\frac{3}{8}$" 150 x 600 x 9 mm	28.4 ft²	14.2 ft²	5.8 m²	2.9 m²
6" x 36" x $\frac{3}{8}$" 150 x 900 x 9 mm	30.5 ft²	15.2 ft²	6.2 m²	3.1 m²
8" x 8" x $\frac{3}{8}$" 200 x 200 x 9 mm	23.7 ft²	11.8 ft²	4.9 m²	2.4 m²
10" x 10" x $\frac{3}{8}$" 250 x 250 x 9 mm	29.6 ft²	14.8 ft²	6.1 m²	3.0 m²
12" x 12" x $\frac{3}{8}$" 300 x 300 x 9 mm	35.6 ft²	17.8 ft²	7.3 m²	3.6 m²
12" x 24" x $\frac{3}{8}$" 300 x 600 x 9 mm	47.4 ft²	23.7 ft²	9.7 m²	4.9 m²
18" x 18" x $\frac{3}{8}$" 450 x 450 x 9 mm	53.2 ft²	26.7 ft²	10.9 m²	5.5 m²
20" x 20" x $\frac{3}{8}$" 500 x 500 x 9 mm	59.2 ft²	29.6 ft²	12.1 m²	6.1 m²
24" x 24" x $\frac{3}{8}$" 600 x 600 x 9 mm	70.9 ft²	35.6 ft²	14.5 m²	7.3 m²

Storage

Store in cool, dry location. Do not store open containers.

Shelf Life

Maximum 1 year from date of manufacture in properly stored, unopened package.

Maximum 24 months from date of manufacture in properly stored, unopened 10 lb. plastic package.

Limitations

- Do not use in temperatures below 50°F (10°C).
- Although AccuColor® 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. AccuColor® is made with Portland cement and for this reason, HBF-CP cannot guarantee that efflorescence will not occur.
- To remove efflorescence, allow grout to cure a minimum of 10 days. Follow industry accepted acid or non-acid cleaning procedures.
- Acid cleaning of unglazed tile, marble or natural stone is not recommended.

Cautions

Read complete cautionary information printed on product container prior to use. 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 TEC® 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.

4. TECHNICAL DATA

Applicable Standard

Mixed with water and tested in accordance with ANSI A118.6 Specifications for Ceramic Tile Grouts, Dry-Set Grouts

AccuColor® Premium Unsanded Grout (620)		
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	≥ 350 psi (2.4 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 (50% RH to immersion) < 20% absorption (immersion to dry)	14-16% absorption 16-17% absorption

Greater than: >   Greater than or equal to: ≥   Less than: <   Less than or equal to: ≤

Physical Properties

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
Storage	Store in cool, dry location. Do not store open containers.
Shelf Life	Maximum 1 year from date of manufacture in properly stored, unopened package. Maximum 24 months from date of manufacture in properly stored, unopened 10 lb. plastic package.

5. INSTALLATION INSTRUCTIONS

Mixing—With Water

For best results pour liquid in a bucket and then add powder. In a clean mixing container, add AccuColor® grout to clean, cool water as specified below:

Size	Water
25 lbs. (11.34 kg)	3½-4 quarts [112-128 fl. oz.] (3.3-3.78 L)
9.75 lbs. (4.42 kg)	1¼-1½ quarts [40-48 fl. oz.] (1.2-1.4 L)
1 lbs. (0.454 kg)	5 fl. oz. (147.8 mL)

Mix well. Avoid breathing dust and contact with eyes and skin. Allow mixture to "slake" (sit in the container) for 10 minutes, then remix before using. Slaking allows the water, Portland cement and other ingredients to react properly. The working time (pot life) when mixed this way is approximately 1 to 2 hours.

Note: If less than a full container of AccuColor® 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 Latex Additive

For exterior or other applications subjected to freeze/thaw conditions or other ANSI A118.7 applications, use TEC® Acrylic Grout Additive in place of water. In addition, H.B. Fuller Construction Products Inc. ("HBF-CP") recommends use of liquid latex additive in any installation where increased flexibility is desired or high water resistance is required. **Note:** Liquid latex additives should not be used when grouting marble or natural stone.

Application

Fully pack the joints between the tiles by spreading AccuColor® 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.

When grouting very absorptive tiles e.g. bisque tile and/or for thin grout lines, mix AccuColor® to the highest water ratio. Additionally, pre-moistening the tile edges by spraying or wiping with a damp sponge or towel will help ensure that the grout retains water needed to properly cure.

Clean-up

Allow the grout to firm up in the joints, 15 to 30 minutes for grout mixed with water or liquid latex. 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 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, use a grout haze remover.

Protection/Damp Curing

Protect the finished installation from traffic or impact for at least 24 hours; from water immersion or freezing for at least 72 hours. Sealing grout is recommended. Consult sealer directions for proper application.

Damp curing is highly recommended in cementitious grout installations to promote complete cure. Damp curing is best accomplished by covering the tile and grout with a single layer of 40# natural kraft paper for 72 hours. Periodically, mist the kraft paper with water to maintain a moist atmosphere over the tiled surface. Do not use newspaper, plywood overlay or polyethylene film for curing.

6. AVAILABILITY

TEC® Premium Tile and Stone Installation Products are available nationwide. To locate TEC® products in your area, please contact:

Phone: 800-832-9002
Website: tecspecialty.com

7. LIMITED WARRANTY

The product(s) covered by this Product Data Sheet are sold subject to a Limited Warranty and related terms. **H.B. Fuller Construction Products disclaims the implied warranties of merchantability and fitness for a particular purpose and all incidental and consequential damages arising out of the sale, purchase or use of this product.** For Limited Warranty details visit tecspecialty.com. To obtain a hard copy of the Limited Warranty call H.B. Fuller Construction Products at 800-832-9023 or mail a written request to the address in Section 2 of this Product Data Sheet.

8. MAINTENANCE

Not applicable

9. TECHNICAL SERVICES

Technical and safety literature

To acquire technical and safety literature, please visit our website at tecspecialty.com.

10. FILING SYSTEM

Division 9

THIS PAGE LEFT INTENTIONALLY BLANK

Conforms with LEED v4 low emitting interiors.
Compliant with (CDPH) Standard Method v1.2 VOC Emissions.

H.B. Fuller
CONSTRUCTION PRODUCTS

H.B. Fuller Construction Products Inc. | 1105 South Frontenac Street Aurora, IL 60504-6451

@TECInstallationSystems   tecinstallationsystems   TECInstallationSystems   TEC Installation Systems