



AccuColor® Plus Grout

1. PRODUCT NAME

TEC® AccuColor® Plus Grout
(450)

2. MANUFACTURER

H.B. Fuller Construction Products Inc.
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Aurora, IL 60504-6451 U.S.A.
800.552.6225 Office
800.832.9023 Technical Support
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3. DESCRIPTION

TEC® AccuColor® Plus is an advanced performance grout that delivers color consistent grout joints from 1/16" to 1/2" (1.6 - 12 mm) wide for both interior and exterior tile installations.

AccuColor® Plus is a fast setting grout that provides stain and efflorescence resistance for residential and commercial grout applications meeting ANSI A118.7 specifications.

Key Features and Benefits

- Meets ANSI A118.7 specifications
- For grout joints from 1/16" to 1/2" wide (1.6-12 mm)
- Color accurate and resistant to efflorescence
- Stain resistant
- Fast setting: open to traffic in 4 hours
- Crack and shrink resistant
- Mold and mildew resistant

Packaging

25 lb. plastic bags (11.34 kg)

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 2/3 of the thickness of the tile in depth. High ridges of adhesive or mortar should be raked out. Any spacers used should be removed. Tiles should be held firmly in place according to manufacturer's instructions before grouting.

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. For removing any remaining grout residue, use a grout haze remover.

Notes: May scratch polished marble, polished porcelain, glass and/or metal tile or glazed tiles. Follow tile manufacturer/fabricator recommendations or test a small area prior to use to determine suitability.

Coverage

Figures shown in the chart are presented only as guidelines.

| Tile Size | Approximate Coverage per Pound | | | | |
|-----------------|--------------------------------|------------|-----------|-----------|-----------|
| | Joint Width | | | | |
| | 1/16" | 1/8" | 1/4" | 3/8" | 1/2" |
| 1" x 1" x 1/4" | 3.70 s.f. | 2.04 s.f. | | | |
| 2" x 2" x 1/4" | 7.14 s.f. | 3.83 s.f. | | | |
| 4" x 4" x 1/2" | 7.14 s.f. | 3.64 s.f. | 1.88 s.f. | 1.30 s.f. | 1.01 s.f. |
| 4" x 8" x 1/2" | 10.0 s.f. | 4.86 s.f. | 2.48 s.f. | 1.69 s.f. | 1.30 s.f. |
| 6" x 6" x 1/2" | 11.11 s.f. | 5.46 s.f. | 2.73 s.f. | 1.92 s.f. | 1.44 s.f. |
| 8" x 8" x 5/16" | 25.0 s.f. | 11.66 s.f. | 5.83 s.f. | 3.89 s.f. | 2.91 s.f. |
| 8" x 8" x 1/2" | 14.29 s.f. | 7.29 s.f. | 3.64 s.f. | 2.43 s.f. | 1.82 s.f. |

| Tile Size | Joint Width | | | | |
|-------------------|-------------|------------|------------|------------|-----------|
| | 1/16" | 1/8" | 1/4" | 3/8" | 1/2" |
| 10" x 10" x 5/16" | 29.00 s.f. | 14.57 s.f. | 7.29 s.f. | 4.86 s.f. | 3.64 s.f. |
| 12" x 12" x 5/16" | 35.00 s.f. | 17.49 s.f. | 8.74 s.f. | 5.83 s.f. | 4.37 s.f. |
| 16" x 16" x 5/16" | 46.5 s.f. | 21.86 s.f. | 10.93 s.f. | 7.29 s.f. | 5.46 s.f. |
| 18" x 18" x 5/16" | 51.00 s.f. | 24.98 s.f. | 12.49 s.f. | 8.33 s.f. | 6.25 s.f. |
| 24" x 24" x 5/16" | 100.00 s.f. | 34.97 s.f. | 17.49 s.f. | 11.66 s.f. | 8.74 s.f. |

| Tile Size | Approximate Coverage per Kilogram | | | | |
|---------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| | Joint Width | | | | |
| | 1.6 mm (1/16") | 3 mm (1/8") | 6 mm (1/4") | 9 mm (3/8") | 12 mm (1/2") |
| 25 x 25 x 6 mm 1" x 1" x 1/4" | 0.76 m ² 8.17 s.f. | 0.42 m ² 4.50 s.f. | | | |
| 50 x 50 x 6 mm 2" x 2" x 1/4" | 1.47 m ² 15.81 s.f. | 0.78 m ² 8.44 s.f. | | | |
| 100 x 100 x 12 mm 4" x 4" x 1/2" | 1.47 m ² 15.81 s.f. | 0.75 m ² 8.02 s.f. | 0.38 m ² 4.14 s.f. | 0.27 m ² 2.87 s.f. | 0.21 m ² 2.23 s.f. |
| 100 x 200 x 12 mm 4" x 8" x 1/2" | 2.05 m ² 22.04 s.f. | 1.00 m ² 10.71 s.f. | 0.51 m ² 5.47 s.f. | 0.35 m ² 3.73 s.f. | 0.27 m ² 2.87 s.f. |
| 150 x 150 x 12 mm 6" x 6" x 1/2" | 2.28 m ² 24.52 s.f. | 1.12 m ² 12.04 s.f. | 0.56 m ² 6.02 s.f. | 0.39 m ² 4.23 s.f. | 0.29 m ² 3.17 s.f. |
| 200 x 200 x 8 mm 8" x 8" x 5/16" | 5.13 m ² 55.16 s.f. | 2.39 m ² 25.71 s.f. | 1.19 m ² 12.85 s.f. | 0.80 m ² 8.58 s.f. | 0.60 m ² 6.42 s.f. |
| 200 x 200 x 12 mm 8" x 8" x 1/2" | 2.92 m ² 31.40 s.f. | 1.49 m ² 16.07 s.f. | 0.75 m ² 8.02 s.f. | 0.50 m ² 5.36 s.f. | 0.37 m ² 4.01 s.f. |
| 250 x 250 x 8 mm 10" x 10" x 5/16" | 5.93 m ² 63.87 s.f. | 2.99 m ² 32.12 s.f. | 1.49 m ² 16.07 s.f. | 1.00 m ² 10.71 s.f. | 0.75 m ² 8.02 s.f. |
| 300 x 300 x 8 mm 12" x 12" x 5/16" | 7.16 m ² 77.09 s.f. | 3.58 m ² 38.56 s.f. | 1.79 m ² 19.27 s.f. | 1.19 m ² 12.85 s.f. | 0.89 m ² 9.63 s.f. |
| 400 x 400 x 8 mm 16" x 16" x 5/16" | 9.51 m ² 102.42 s.f. | 4.48 m ² 48.19 s.f. | 2.24 m ² 24.10 s.f. | 1.49 m ² 16.07 s.f. | 1.12 m ² 12.04 s.f. |
| 450 x 450 x 8 mm 18" x 18" x 5/16" | 10.43 m ² 112.33 s.f. | 5.12 m ² 55.07 s.f. | 2.56 m ² 27.54 s.f. | 1.71 m ² 18.36 s.f. | 1.28 m ² 13.78 s.f. |
| 600 x 600 x 8 mm 24" x 24" x 5/16" | 20.51 m ² 220.54 s.f. | 7.16 m ² 77.09 s.f. | 3.58 m ² 38.56 s.f. | 2.39 m ² 25.71 s.f. | 1.79 m ² 19.27 s.f. |

Storage

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

Shelf Life

Maximum of 18 months from date of manufacture in unopened package.

Limitations

- Do not install during temperatures below 50°F (10°C).

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

When mixed with water and tested, AccuColor® Plus meets ANSI A118.7 Specifications for Ceramic Tile Grouts and Polymer-modified Cement Grout. ISO 13007: Classification CG2WAF.

| AccuColor® Plus Grout (450) | | |
|-----------------------------|-------------------------|---------------------|
| Description | ANSI A118.7 Requirement | Typical Results |
| 28 Day Compressive Strength | ≥ 3000 psi (20.7 MPa) | 6500 psi (44.8 MPa) |
| 28 Day Tensile Strength | ≥ 500 psi (3.4 MPa) | 650 psi (4.5 MPa) |
| 28 Day Flexural Strength | ≥ 1000 psi (6.9 MPa) | 1200 psi (8.3 MPa) |
| 27 Day Linear Shrinkage | < 0.20% shrinkage | < 0.20% shrinkage |
| 28 Day Water Absorption | < 5% absorption | < 3% 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 32 colors |
| Pot Life | 35-55 minutes |
| Stain Resistance | Allow to cure for 7 days to achieve maximum stain resistance. |
| Initial Cure [at 72°F (22°C)] | 3 to 4 hours |
| Final Cure | 21 days |
| Foot Traffic Rating (ASTM C627) | Residential to Extra Heavy Commercial |
| Storage | Store in cool, dry location. Do not store open containers. Use full bags for installation. |
| Shelf Life | Maximum 18 months from date of manufacture in unopened package |

5. INSTALLATION INSTRUCTIONS

Mixing

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

| Size | Water |
|--------------------|--|
| 25 lbs. (11.34 kg) | 2.25-2.75 quarts [72-88 fl. oz.] (2.13-2.60 L) |

1. Start with the low-end water range Add water per instructions. Do not over water.
2. Mix with a drill (350 rpm max.) and mixing paddle attachment for a minimum of 2 minutes. Drill mixing is preferred and provides optimal results – hand mixing will yield acceptable results.
 - Do not add more water until mixture has been mixed for 2 minutes. Product consistency will loosen with mixing. Add water with care not to exceed recommended range. Under conditions that can result a shorter pot life, (i.e. hot weather), mix at the top end of the water range to provide more working time.
3. Allow to slake in bucket for 3-5 minutes.
4. Remix with drill and mixing paddle for a minimum of 1 minute.

Note: HBF-CP recommends that a full container of AccuColor® Plus be mixed and used at one time. However, if less than a full container of grout or multiple containers from different lot numbers are used, pre-mix the entire contents of the container(s) prior to mixing with water. (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 water to grout proportions when using multiple containers for the same job.

Application

Fully pack the joints between the tiles by spreading AccuColor® Plus 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® Plus 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 under normal conditions. Check for firmness by touching the grout with your finger. If there is transfer, wait 15 minutes and test again. When there's no transfer it is time to begin clean-up.

Wet a grout sponge in a pail containing cool, fresh water and wring out. Loosen the grout on the tile surface by moving the sponge in a circular motion across the tiles. Then use the sponge to smooth the joints. Completely rinse and wring out the sponge. Wipe diagonally across the tiles to remove grout residue. Use each side of the sponge once, then rinse, completely wring out and repeat. Change the water frequently.

Allow the grout to dry 30 to 60 minutes and remove all remaining grout residue from the tiles with a damp sponge or terrycloth towel.

Protection

Protect the finished installation from foot traffic or impact for at least 4 hours. Wait 72 hours before mopping, routine cleaning or shower use. Do not expose to stains, complete water immersion or freezing for 7 days.

No need to seal grout. If tile or stone is to be sealed after grout is installed, use a compatible solvent based sealer. Test a small area of the tile/stone and grout to ensure you achieve the desired results.

If a water-based sealer is required, consult Technical Support for a list of approved sealers. Allow grout to cure for 72 hours before sealing.

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



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



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