



AccuColor® Plus Grout

Updated September 2025

1. PRODUCT NAME

TEC® AccuColor® Plus Grout
(450)

2. MANUFACTURER

TEC Specialty Products LLC
1105 South Frontenac Street
Aurora, IL 60504-6451 U.S.A.
800.832.9002 Customer Service
800.832.9023 Technical Support
tecspecialty.com

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

Visit tecspecialty.com for up-to-date color availability.

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.

AccuColor Plus is a highly pigmented product and it is critical to protect surrounding areas from exposure to pigment. Be sure to protect cabinets, countertops, and other surrounding areas which might become stained by the pigment present in the grout. This is especially important with dark colors which include black pigment.

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.

Approximate Coverage per Pound					
Tile Size	Joint Width				
	1/16"	1/8"	1/4"	3/8"	1/2"
1" x 1" x 1/4"	3.64 ft²	1.82 ft²			
2" x 2" x 1/4"	7.29 ft²	3.64 ft²			
3" x 6" x 1/4"	14.58 ft²	7.29 ft²	3.64 ft²	2.43 ft²	1.82 ft²
4 1/4" x 4 1/4" x 1/4"	15.48 ft²	7.74 ft²	3.87 ft²	2.58 ft²	1.94 ft²

Tile Size	Joint Width				
	1/16"	1/8"	1/4"	3/8"	1/2"
6" x 6" x 1/4"	21.88 ft²	10.93 ft²	5.46 ft²	3.64 ft²	2.73 ft²
6" x 24" x 3/8"	23.31 ft²	11.66 ft²	5.83 ft²	3.89 ft²	2.91 ft²
6" x 36" x 3/8"	25.00 ft²	12.48 ft²	6.25 ft²	4.16 ft²	3.12 ft²
8" x 8" x 3/8"	19.42 ft²	9.72 ft²	4.86 ft²	3.24 ft²	2.43 ft²
10" x 10" x 3/8"	24.27 ft²	12.15 ft²	6.07 ft²	4.05 ft²	3.04 ft²
12" x 12" x 3/8"	29.15 ft²	14.58 ft²	7.29 ft²	4.86 ft²	3.64 ft²
12" x 24" x 3/8"	38.91 ft²	19.42 ft²	9.72 ft²	6.48 ft²	4.86 ft²
18" x 18" x 3/8"	43.67 ft²	21.88 ft²	10.93 ft²	7.29 ft²	5.46 ft²
20" x 20" x 3/8"	48.54 ft²	24.27 ft²	12.15 ft²	8.10 ft²	6.07 ft²
24" x 24" x 3/8"	58.14 ft²	29.15 ft²	14.58 ft²	9.72 ft²	7.29 ft²

Approximate Coverage per Kilogram					
Tile Size	Joint Width				
	1.6 mm	3 mm	6 mm	9 mm	12 mm
25 x 25 x 6 mm	0.75 m²	0.37 m²			
50 x 50 x 6 mm	1.49 m²	0.75 m²			
75 x 150 x 6 mm	2.99 m²	1.49 m²	0.75 m²	0.50 m²	0.37 m²
108 x 108 x 6 mm	3.17 m²	1.59 m²	0.79 m²	0.53 m²	0.40 m²
150 x 150 x 6 mm	4.48 m²	2.24 m²	1.12 m²	0.75 m²	0.56 m²
150 x 600 x 9 mm	4.77 m²	2.39 m²	1.19 m²	0.80 m²	0.60 m²
150 x 900 x 9 mm	5.12 m²	2.56 m²	1.28 m²	0.85 m²	0.64 m²
200 x 200 x 9 mm	3.98 m²	1.99 m²	0.99 m²	0.66 m²	0.50 m²
250 x 250 x 9 mm	4.97 m²	2.49 m²	1.24 m²	0.83 m²	0.62 m²
300 x 300 x 9 mm	5.97 m²	2.99 m²	1.49 m²	0.99 m²	0.75 m²
300 x 600 x 9 mm	7.97 m²	3.98 m²	1.99 m²	1.33 m²	0.99 m²
450 x 450 x 9 mm	8.94 m²	4.48 m²	2.24 m²	1.49 m²	1.12 m²
500 x 500 x 9 mm	9.94 m²	4.97 m²	2.49 m²	1.66 m²	1.24 m²
600 x 600 x 9 mm	11.91 m²	5.97 m²	2.99 m²	1.99 m²	1.49 m²

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).
- Steam cleaning 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, TEC Specialty Products LLC 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)

Product Data

Description	ANSI A118.7 Requirement	Typical Results
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 25 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 surface preparation, tile, stone, carpet, wood and resilient floor covering 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. **TEC Specialty Products LLC 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 TEC Specialty 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.



To learn more, visit TECSpecialty.com



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