



Pure-Color™ Grout

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1. PRODUCT NAME

TEC® Pure-Color™ Grout
(696)

2. MANUFACTURER

TEC Specialty Products LLC
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

TEC Pure-Color Grout is an innovation in unsanded grout technology. It provides ultra-strong joints in thin, thirsty, or delicate tile applications and has an extreme resistance to pigment bleed. So it stays true to color and doesn't crack, stain or shrink in joints up to ¼", advancing performance over typical unsanded grouts.

Key Features and Benefits

- Color uniformity across multiple tile types and grout joints widths
- Stain resistant – never needs sealing against common household stains
- Unsanded formula makes it ideal for delicate tile surfaces
- Fast setting; open to traffic in 4 hours
- For grout joints from ⅛" to ¼" wide
- Crack and shrink resistant
- Exceeds ANSI A118.7 specifications for high performance cement grout
- Interior/exterior use
- Mold and mildew resistant

Packaging

25 lb. plastic bags (11.34 kg)

Color

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

Recommended Applications

- Pools
- Bathrooms and showers
- Balconies and patios
- Kitchens and backsplashes
- Areas where tile finishes are delicate and would be scratched or harmed by sanded grout
- Narrow grout joints where sanded grout is difficult to fully pack the grout joint
- With highly absorptive tile which can draw moisture out of traditional sanded grouts

Storage

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

Shelf Life

Maximum 18 months from date of manufacture in unopened package.

Limitations

- Do not use with enzymatic cleaners.
- Steam cleaning is not recommended.
- Do not install during temperatures below 50°F (10°C).
- Jobsite and grout temperature should be 50°-80°F (10°-26.6°C) for optimal installation

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, Pure-Color exceeds ANSI A118.7 Specifications for Ceramic Tile Grouts, Polymer-modified Cement Grout.

Pure-Color Grout (696)		
Description	ANSI A118.7 Requirement	Typical Results
28 Day Compressive Strength	≥ 3000 psi (20.7 MPa)	6,500 psi (44.8 MPa)
28 Day Tensile Strength	≥ 500 psi (3.4 MPa)	550 psi (3.8 MPa)
28 Day Flexural Strength	≥ 1000 psi (6.9 MPa)	1,200 psi (8.2 MPa)
27 Day Linear Shrinkage	< 0.30% shrinkage	≤ 0.15% 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 multiple colors
Pot Life	30-60 minutes
Stain Resistance	Allow to cure for 7 days to achieve maximum stain resistance.
Initial Cure [at 72°F (22°C)]	2 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 bags.
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 Pure-Color Grout to clean, cool water as specified below:

Size	Water
25 lbs. (11.34 kg)	3.6-3.8 quarts [14.4-15.3 cups] (3.4-3.6 L)

1. Start with the low-end water range. Add water per water range listed above. Do not over water. NOTE: When mixing partial units, use a 5:2 ratio of powder to water mix by volume as starting point. Slightly more powder or water might need to be added to optimize the consistency of the mix. Do not add more water until mixture has been mixed for 90 seconds. Product consistency will loosen with mixing.
2. Mix with a drill (350 rpm max.) and mixing paddle attachment for a minimum of 90 seconds. Drill mixing is preferred and provides optimal results – hand mixing will yield acceptable results. At the end of the 90 second mix assess the consistency. If a looser consistency is desired, more water can be added at this stage. Mix added water into grout until a smooth consistency is reached. Do not exceed the maximum water demand.

Product Data

3. Pack the grout joints fully with grout before cleaning off excess at a 45 degree angle to the tile. Wait approximately 15 minutes after installation before performing a touch transfer test. Once no transfer occurs between the grout joint and a finger then clean-up with a very lightly dampened sponge may begin.
4. Protect the finished installation from foot traffic or impact for at least 4 hours. Any excess pigment can be buffed off the tile with a microfiber after 60 minutes. Wait 24 hours before mopping, routine cleaning or shower use. Do not expose to stains, complete water immersion or freezing for 7 days.

Application

Fully pack the joints between the tiles by spreading Pure-Color 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 Pure-Color Grout 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 grout to firm up 15-30 minutes under normal conditions before final cleanup. Check for firmness by touching the grout with your finger. If there is transfer, wait 5 minutes and test again.

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 24 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.

Maintenance and Cleaning

It is critical to properly maintain the installation using a pH neutral cleaner. TEC recommends the use of the TEC line of Microbial Cleaners. Choose the appropriate cleaner depending on the application and follow the directions listed on the Microbial PDS.

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 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

To learn more, visit TECSpecialty.com



TEC Specialty Products, LLC | 1105 South Frontenac Street, Aurora, IL 60504-6451



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