



Pure-Color™ RTU Advanced Performance Grout

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1. PRODUCT NAME

TEC® Pure-Color™ RTU Advanced Performance Grout
(685)

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

A new innovation in the ready to use grout space, Pure-Color RTU can be used interior, exterior, and in wet or dry environments. It is easy to clean during installation thanks to the grout pigment being integrated with the aggregate. Don't waste time on site setting up a mixing station or dealing with grout dust, this product is ready to use with no mixing required! Pure-Color RTU Grout is a universal product for grout joints. It is easy to clean, color consistent, and requires no sealing. Pure-Color RTU Grout is resistant to cracks, stains, and many common chemicals.

Key Features and Benefits

- Integrated pigment to allow for easy installation and clean-up
- Increased stain protection—resistant to many common stains when cleaned immediately
- Crack and shrink resistant
- For use in wet and submerged applications
- Highly color consistent
- Mold and mildew resistant
- Easy installation and clean-up
- Chemical resistant*

*See chart in section 4. Technical Data for list of resisted chemicals.

Packaging

10 lbs. (4.54 kg) in a 1 U.S. gallon plastic pail

Color

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

Coverage

Figures shown in the chart are presented only as guidelines.

Approximate Coverage per Pound in square feet /m ²						
Tile Size	Joint Width					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6 mm)	3/8" (9 mm)	1/2" (12 mm)
1" x 1" x 1/4" 25 x 25 x 6 mm	4 0.4	2 0.2				
2" x 2" x 1/4" 50 x 50 x 6 mm	7 0.7	4 0.4				
1/4" x 1/4" x 5/16" 108 x 108 x 8 mm	12 1.1	6 0.6	4 0.4	3 0.3	2 0.2	1 0.1
4" x 8" x 1/2" 100 x 200 x 12 mm	10 0.9	5 0.5	3 0.3	2 0.2	2 0.2	1 0.1
6" x 6" x 1/2" 150 x 150 x 12 mm	13 1.2	6 0.6	4 0.4	3 0.3	2 0.2	1 0.1
8" x 8" x 3/8" 200 x 200 x 9 mm	20 1.9	9 0.8	6 0.6	5 0.5	3 0.3	2 0.2
12" x 12" x 3/8" 300 x 300 x 9 mm	30 2.8	15 1.4	10 0.9	7 0.7	5 0.5	4 0.4
13" x 13" x 3/8" 330 x 330 x 9 mm	32 3.0	16 1.5	11 1.0	8 0.7	5 0.5	4 0.4

Tile Size	Joint Width					
	1/16" (1.6 mm)	1/8" (3 mm)	3/16" (4.8 mm)	1/4" (6 mm)	3/8" (9 mm)	1/2" (12 mm)
16" x 16" x 3/8" 400 x 400 x 9 mm	39 3.6	20 1.9	13 1.2	10 0.9	6 0.6	5 0.5
18" x 18" x 3/8" 450 x 450 x 9 mm	44 4.1	22 2.0	15 1.4	11 1.0	7 0.7	5 0.5
24" x 24" x 3/8" 600 x 600 x 9 mm	59 5.5	30 2.8	20 1.9	15 1.4	10 0.9	7 0.7

Storage

Store indoors in a cool, dry location. Keep away from excessive heat. Freeze/thaw stable to 20°F (-6.7°C). If frozen, slowly bring material back to room temperature and mix per instructions.

Shelf Life

Maximum 18 months from date of manufacture in unopened package.

Limitations

- Do not use in areas where the temperature exceeds 104°F (40°C). This could include certain hot-tubs, steam rooms, or exterior installations that are exposed to high heat.
- Certain tile surfaces can be stained or scratched when grouted. Follow tile manufacturer recommendations and test in an inconspicuous area before grouting.
- Do not use for commercial kitchen floors or where enzymatic cleaners are used.
- Do not grout over existing epoxy grout installations.
- Maintain a temperature range of 50°F-90°F (10°C-32°C) when grouting and during drying.
- Do not add water.
- Do not seal grout.
- Do not use with irregularly spaced tile or stones. Penny rounds or similar tile might cause inconsistent grout color. It is up to the installer to determine suitability and mock up an area if inconsistent grout joints are used.
- Do not use in commercial steam rooms.
- Installation over impervious substrates (like waterproofing or uncoupling membranes) may require extended mortar cure time prior to grouting. Wait a minimum of 72 hours after setting tile to grout.
- Do not use over concrete slabs with high moisture emission rates that have not been remedied.
- Do not use in areas subject to aggressive cleaning techniques such as high pressure washing, steam cleaning, or enzymatic cleaners.

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

ASTM C267 Chemical Resistance

Pure-Color RTU Advanced Performance Grout (685)	
Chemical Name	Typical Results
Hydrochloric Acid, 3%	Pass
Hydrochloric Acid, 10%	Pass
Acetic Acid, 10%	Pass

Product Data

Chemical Name	Typical Results
Lactic Acid, 10%	Pass
Citric Acid, 10%	Pass
Phosphoric Acid, 10%	Pass
Potassium Hydroxide, 3%	Pass
Potassium Hydroxide, 10%	Pass
Bleach, 6.5%	Pass
Ammonia (HDX), 1-4%	Pass

Applicable Standards

Meets the listed performance characteristics for ANSI A118.19 Specification for Ceramic Tile Grouts.

Pure-Color RTU Advanced Performance Grout (685)	
Description	Typical Results (ANSI A118.19)
Indentation Resistance 28 day cure 21 day cure, 7 day soak	> 3,000 psi (>20.68 MPa) > 3,000 psi (>20.68 MPa)
Chemical Resistance 21 day cure 7 day 3% Bleach 21 day cure 7 day 3% Hydrochloric Acid 21 day cure 7 day 3% Potassium Hydroxide	> 3,000 psi (>20.68 MPa) > 2,000 psi (>13.79 MPa) > 2,000 psi (>13.79 MPa)
Abrasion Resistance 28 day cure	< 300 mm³
Resistance to Mold Growth	Pass
Water Cleanability	Pass
Description	Typical Results (ASTM C267)
Chemical Resistance	Pass (See Technical Data Chart above)

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

Physical Properties

Description	
Physical State	Paste
Color	Visit tecspecialty.com for up-to-date color availability
Light Foot Traffic [at 72°F (22°C)]	24 hours
Intermittent Water Exposure	3 days
Final Cure (full stain resistance)	7 days
VOC/Liter of Material	< 10 g/L
Foot Traffic Rating (ASTM C627)	Residential to heavy commercial
Storage	Store indoors in cool, dry location. Do not store open containers. Freeze/thaw stable for 3 cycles at 20°F (-6.7°C).
Shelf Life	Maximum 18 months from date of manufacture in properly stored, unopened package.

5. INSTALLATION INSTRUCTIONS

Surface Preparation

Area must be clean, dry, free of dirt and dust. If you have a highly porous tile or natural stone, pre-sealing the tile is recommended. Grout joint should be free of sealers.

If grouting in hot, dry conditions dampen the tile surface with a clean sponge. Do not allow water to puddle on the tile or in the grout joints.

Isolate copper and brass surfaces that will come in contact with the grout by applying a coat of TEC® Multipurpose Primer (undiluted). Allow to dry before grouting. Do not coat any metal surfaces that are to remain exposed.

Application

1. Open the pail and stir to a smooth creamy consistency with a paint stick or margin trowel. Be sure to re-blend in any liquid that may have separated to the top of the container. Do not use an electric drill and mixing paddle. These can entrain air into the grout. Air entrainment may decrease stain resistance and increase the potential for cracking.
2. For best results, grout no more than 10 ft² (0.93 m²) at a time. In hot, dry conditions it may be necessary to the reduce the size of this area.
3. Press grout diagonally into joints holding float at a 45-degree angle. Make sure that joints are completely filled.
4. Remove all excess grout off tile by holding float at a 90-degree angle and drawing diagonally across tile.
5. Immediately pat tile with damp sponge. Then, using a well wrung damp sponge, clean tile and smooth joints in a circular motion. Rinse sponge frequently and be sure to wring out until lightly damp.
6. Turn sponge over to a clean side and draw diagonally across tiles to remove any remaining film.
7. Do not wait longer than 15 minutes before starting clean-up. In hot, dry conditions it may be necessary to decrease wait time.
8. If a light haze remains after cleaning, do not attempt to remove it with the sponge. Instead, leave the haze on the surface and remove the next day with a white scrub pad and common household glass cleaner. Haze will easily come off of most tile surfaces. For large areas, a solution of 4 oz. (118 mL) of ammonia mixed with one gallon (3.78 L) of clean water may be used in lieu of household glass cleaner.
9. There is no need to seal Pure-Color RTU Grout.

NOTE: If excess water is used in the sponge during clean up, minor cracks or pinholes can develop. If the grout is over-worked, it may appear to shrink down into joint. Should any of these things occur, simply apply a second coat to the affected areas. You must allow your initial application to cure for 24 hours prior to your second application. It is the sole responsibility of the installer to determine the suitability and compatibility of the product for the intended application.

May scratch polished marble, polished porcelain, glass, metal, and/or glazed tiles. Test a small area prior to installation to ensure compatibility.

Instruction For Use Over Premixed and Cement-Based Grout

To install, existing premixed or cementitious grout must be clean, free of sealers, and 1/8" (3 mm) lower than tile surface. If not: Remove existing grout with a grout saw to at least 1/8" (3 mm) below the surface of the tile.

Make sure the joint is free of all dust and debris, then apply grout per instructions above.

Cure Time

At 70°F (21°C) and 50% relative humidity allow 24 hours until light foot traffic, and 3 days before intermittent water exposure, such as shower walls. Allow 7 days to achieve final cure which includes hardness and stain resistance. Lower temperatures and higher humidity will extend the required cure times. For enclosed areas (such as small rooms or bathrooms), increase air circulation to ensure proper cure. Do not cover to protect from other trades traffic until grout develops sufficient cure, typically in 24 to 72 hours, depending on conditions.

Clean-up

Clean tools and hands with warm soapy water while grout is still wet.

Maintenance

For routine cleaning of your grout, use a neutral pH cleaner. Follow manufacturer instructions for dilution.

Pure-Color RTU Grout is resistant to most household cleaners and some chemicals used in commercial cleaners. For a list of acceptable chemicals, please reference chemical data chart found on page 1 of this product data sheet. Testing of cleaners in inconspicuous areas is recommended. Do not let cleaner sit on the surface of the grout for prolonged time. Wipe cleaned area with a damp sponge.

Grout haze might be formed on some porous and absorptive tile. Grout haze shall not be removed the same day as this will disturb the grout during the initial curing process.

To remove grout haze the next day, use a white scrub pad and common translucent ammoniated household glass cleaner.

In the event of a stubborn surface stain, the use of an ammoniated or alkaline cleaner along with a white scrub pad is recommended.

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



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