



TM GROUT

System Qualified with MIL-PRF-32584 Type IV and MIL-PRF-3135H Type II & III Class 2 Underlayments

TM Grout Resin is a 100% solids, two-component modified epoxy resin with added proprietary rheology modifier used as a grout and seal coat within epoxy underlayment and terrazzo systems. TM Grout Resin fills surface porosity to produce a continuous, joint-free film suitable for subsequent flooring layers.

TM Grout Resin is qualified to ANSI A118.10 (2014 Edition) — American National Standard Specifications for Load-Bearing, Bonded, Waterproof Membranes for Thin-Set Ceramic Tile and Dimension Stone Installation. Qualification supports the use of TM Grout Resin as a waterproof membrane layer within epoxy deck covering systems and wet environments.

TM Grout Resin is system qualified with MIL-PRF-32584 Type IV and MIL-PRF-3135H Type II & III Class 2 underlayments, supporting use as a grout and film-forming membrane over these systems.

Coverage Using Stiff Squeegee

0.010 inch	0.25 mm	10 mils
110 ft ² (10.22 m ²) Per Kit		

Coverage Using flexible Squeegee

0.015 inch	0.38 mm	15 mils
70 ft ² (6.78 m ²) Per Kit		

Coverage values based on smooth substrates. Surface profile, configuration, and porosity will affect actual coverage.

Kit and Packaging sizes (1 kit = Part E Resin + Part F Hardener)

Item Number	Description	Weight
0519	TM GROUT KIT	8.0lbs/3.62kg
1414	TM GROUT RESIN COMPONENT (E)	5.0lbs /2.26kg
1415	TM GROUT RESIN COMPONENT (F)	3.0lbs /1.36kg



Installation Steps for TM GROUT

Step 1: Prep Existing Underlayment

1. Remove loose “burs” of hardened epoxy (dry trowel)
2. Vacuum Underlayment of all loose debris

Step 2: Mix TM Grout Resin Components

1. Pre-mix Resin parts E and F separately.
2. Combine part E and F and mix thoroughly for 2 minutes.
3. Pour the combined resin into a separate bucket large enough to accommodate the aggregate.

Step 3: Apply the TM Grout Mixture

1. Pour the TM Grout mixture onto the working surface.
2. Allow Resin to absorb into underlayment (1 min – depending on environmental conditions)
3. Using a Flexible or Stiff blade squeegee pull resin tight creating a smooth surface when cured

Step 4: Apply Primary Decking System

1. Apply the desired primary decking system over the fully cured and grouted underlayment.

Applicator Notes Section:



Surface Preparation and Site Readiness

Additional Surface Preparation information

Metal deck surfaces must be cleaned of rust, loose scale, and dirt following SSPC SP11/NACE No. 6 standards. Grease and oil should be removed with approved solvents and clean rags as per SSPC SP-1 standards. The resulting surface should be clean, bright, and protected against corrosion before applying Dex-O-Tex materials. Consult your local Dex-O-Tex Marine Representative when dealing with wood or other deck surfaces.

Job Site Survey

Measure and record ambient temperature, humidity, surface temperature, and the temperature of the materials being used. Do not proceed with the application if conditions are outside the recommended parameters. Inspect all materials to be used to ensure they are the correct type and size and verify that all components are present. Check all containers to ensure they have a proper factory seal with no signs of damage or leakage. Pre-mix liquid materials into a smooth, homogeneous blend before use.

Environmental Conditions for Application

All materials must be mixed, applied, and cured at the job site under specific environmental conditions to ensure proper curing and performance. Make sure conditions comply with the following requirements:

1. **Temperature:** The ideal application and curing temperature range for the materials should be adhered to, both in metric and US customary units. (e.g., 15°C to 30°C / 59°F to 86°F)
2. **Humidity:** Monitor and maintain the relative humidity within the specified range suitable for the material being used.
3. **Ventilation:** Ensure adequate ventilation to facilitate the curing process and to maintain a safe working environment.

Substrate temp.	Min. 50°F (10°C)	Max. 80°F (26.66°C)
Relative Humidity	Min. <90% (32.22°C)	Max. 85% (29.44°C)
Ambient Air Temp.	Min. 50°F (10°C)	Max.90°F (32.22°C)

Min. Re-Coat Window	12Hrs at 60°F (15.55°C)	24Hrs at <40°F (4.44°C)
Max. Re-Coat Window	24Hrs at 60°F (15.55°C)	48Hrs at <40°F (4.44°C)
Cure to Full Service	48Hrs at 60°F (15.55°C)	96Hrs at <40°F (4.44°C)



Material Handling and Application Guidelines

Material Disclosure

Materials should arrive in their original packaging and containers, with unbroken seals and manufacturer's labels containing brand names and storage directions. Upon receipt, immediately check the materials to ensure all the correct items are present and in good condition. Sort and store materials in a temperature-controlled storage area.

Storage and Handling

For optimal workability, Dex-O-Tex materials should be stored and mixed within a temperature range of 18°C-27°C (65°F-80°F). A warmer substrate can shorten the material's pot life and cause stickiness, while a cooler substrate may prolong curing time and lead to resin blush. Maintain a deck and room temperature of at least 18°C (65°F) throughout the curing process until reaching full-service time. When mixing polymeric resin components, use all provided resins as they are premeasured to the correct ratios. Scrape all hardener from its container into the resin; avoid draining unmixed resin onto the flooring surface, as this can result in soft or uncured spots. Keep the unfinished flooring surface clean to prevent contamination that could affect the final appearance. Ensure good ventilation during application, especially in confined spaces. Always refer to and follow the manufacturer's Safety Data Sheets (SDS) for handling polymeric materials.

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