



CHEM-ROCK® Slurry Resin

100% Solids, extremely low-viscosity 2-component, Epoxy Slurry Resin

DESCRIPTION:

CHEM-ROCK Slurry Resin is a 100% solids, extremely low-viscosity 2-component, epoxy slurry resin designed for self-leveling application and broadcast slurry systems. CHEM-ROCK Slurry Resin meets all of the USDA guidelines for use in federally inspected facilities. CHEM-ROCK Slurry Resin is available in clear, gray and a variety of colors using ROCK-TRED colorants.

RECOMMENDED USES:

CHEM-ROCK Slurry Resin is recommended as a high performance self-leveling coating in areas that are subjected to medium to heavy traffic and moderate chemical spillage. CHEM-ROCK Slurry Resin is also the recommended binder resin for ROCK-TRED's solid and multi-colored epoxy slurry flooring systems.

FEATURES:

- 100% solids
- Extremely Low Viscosity
- Solvent-Free ... Odorless
- Self-Leveling
- Extensive Range of Colors
- Gloss Finish
- Can Be Made Anti-Slip
- VOC Compliant
- Good Chemical Resistance
- Good Abrasion Resistance
- Enables up to 1/8" Buildup in One Step

PACKAGING:

- ¾ Gallon Unit (2.84 L) packaged in a single carton
- 3 Gallon Unit (11.4 L) in proportioned containers
- 15 Gallon Unit (57 L) filled in 5 gallon (19 L) pails
- 165 Gallon Unit (625 L) in Drums (Clear gloss only)



PHYSICAL/CHEMICAL CHARACTERISTICS:

Property	Typical Values
Shelf Life	2 years (between 50°F and 85°F) (10°C and 29°C)
Application Temp & Humidity	55°F to 85°F (13°C to 29°C) @ less than 75% R.H.
Mixing Ratio: Resin to Hardener	Clear: 2 to 1 by volume, 2.2 to 1 by weight Gray: 2 to 1 by volume, 2.5 to 1 by weight
Coverage	200 sq. ft. per gallon (4.91m ² /L) as a coating
Working Time	55 minutes @ 75° F (24°C)
Application Method	Squeegee & Roller, or Notched Squeegee & Looped or Spiked Roller
Ready for Recoat	6 – 8 hours
Ready for Foot Traffic	12 - 18 hours
Ready for Heavy Traffic	24+ hours
Bond Strength	400+ psi (2758 kPa) w/ concrete failure (ASTM D-4541)
% Solids by Volume	100% (ASTM D-1464)
Flash Point	>200°F (93°C) (PMCC)
UV Light Resistance	Very Good (QUV)
Hardness (Shore D)	80+ (ASTM D-2240)
VOC	0 g/l (EPA Method 24)
Gloss (60°)	90+
Impact Resistance	>160 in-lbs (18.08 Nm) (ASTM D-4226)
Indentation	None (MIL-D-3134F)
Abrasion Resistance	0.08 g (ASTM D-4060, CS-17 wheel)
Flammability	Self-Extinguishing (ASTM D-635)
Heat Resistance	140°F (60°C) Constant
Limitation	200°F (93°C) Intermittent
Water Absorption	0.2% (ASTM C-413)
Coefficient of Friction	0.72 (ASTM F-609)
Viscosity (Mixed)	325 cps

Based upon a seven day cure at 75°F (24°C)

COVERAGE:

As a self-leveling coating this product should be applied at the rate of approximately 200 sq. ft. per gallon (4.91m²/L), at approximately 8 mils. For a 1/8" (0.32cm) slurry, with a 2:1 mix of aggregate and epoxy, suggested coverage rate is 20 sq. ft. per gallon (0.49 m²/L) of slurry. See ROCK-TRED System Specifications for more information. As with all coatings, coverage is dependent on the smoothness and porosity of the surface.

SURFACE PREPARATION:

The substrate must be clean, dry and sound with new concrete cured for at least 30 days at 70°F (21°C). Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials, and any previously applied potentially incompatible coatings. Create a surface profile on concrete by either steel shot blasting or acid etching. Repair cracks and joints with ROCK-TRED's CRACK 'N PATCH[®] or ELASTI-POXI[®] Joint Fill. For additional concrete preparation information and methods, refer to ROCK-TRED's Surface Preparation Guide. If the concrete surface is not prepared properly, product adhesion will fail and warranties will be voided.

FOR BEST RESULTS:

- For Interior Use Only.
- New Concrete Must Cure For at Least 30 Days @ 70°F (21°C).
- DO NOT thin the CHEM-ROCK Slurry Resin.
- DO NOT Use when Humidity Exceeds 75% Indoors.
- Allow Each Coat to Dry Tack-Free before Recoating.
- Apply Each Coat Within 24 Hours of Previous Coat.
- Discard any Material Subjected to Freezing.
- DO NOT Apply to Structurally Unsound Surfaces.
- Prime Bare Concrete with AGUA-ROCK[®], or CHEM-ROCK[®] Primer.
- Apply a Test Patch to Ensure Adhesion to Old Paint.

PRIMING:

For optimum results, prime the prepared concrete floor first with AGUA-ROCK. The AGUA-ROCK can be applied at the rate of 250-300 sq. ft. per gallon. On rougher areas and shot-blasted floors, the coverage rates will be reduced to about 225-250 sq. ft. per gallon (5.5 m²/L).

Allow the AGUA-ROCK to dry thoroughly before mixing and applying the next coating. The primed floor should be tack free and clear in appearance. This will vary with temperature and humidity but is normally between 2-5 hours @ 75°F (23.9°C) and 50% R.H.

Review ROCK-TRED'S Material Safety Data Sheets (MSDS) for this product prior to mixing and applying. In addition, thoroughly review the Data Sheet and product labels. Por favor, póngase en contacto con ROCK-TRED Corporation al núm. telefónico 1800-762-8733 para la Hoja de Datos del Material y la Hoja de Datos de Seguridad (MSDS) en español. (Deje su núm. de teléfono).

MIXING:

Avoid mixing and application of this product if the floor temperature is below 55°F (10°C) or above 85°F (29°C). Also avoid application if the humidity is higher than 75% R.H. The temperature of the floor, materials and air in the area of the installation all play a role in how the product will apply and cure. Do NOT turn buckets upside down, as unmixed material may wind up on the floor, and it will never cure. **For 3/4 gallon (2.84 L) and 6 gallon (22.7 L) units:** Carefully pour the entire contents of the Hardener container into the Resin container. DO NOT

change the ratio of Hardener to Resin (1:2 by volume). Blend thoroughly for 2 to 3 minutes with a spiral mixing blade (available from ROCK-TRED) attached to a low-speed (400-600 RPM) electric drill. Take care not to induce air into the material when mixing. This will cause "bubbles" in the coating when applied. Slowly add the aggregate to the blended CHEM-ROCK Slurry, using a 1:1 mix ratio by volume (i.e., add 1 gallon of aggregate to 1 gallon of blended epoxy). Immediately pour the mixed slurry onto the prepared concrete substrate in a smooth "ribbon" pattern. Spread evenly with a 24" notched squeegee and back roll using a porcupine/looped roller. **For bulk units:** Portion out 1 gallon (3.8 L) of Hardener and 2 gallons (7.6 L) of Resin into a clean 5 gallon pail (18.9 L). Blend in accordance with directions stated above.

POT LIFE:

At 75°F (23.9°C) and 50% R.H., the CHEM-ROCK Slurry Resin has a useful working time or pot life of approximately 30 minutes. Using any product beyond this time will result in variable results and therefore any mixed product beyond the pot life should be discarded. Apply all material to the floor as quickly as possible to increase working time.

APPLICATION:

The recommended application of this product, as a self-leveling coating, involves pouring it in a narrow line directly onto the concrete surface and then spreading it with a squeegee. Spread the coating in a continuous manner from one side of the area being coated to the other. Immediately follow with a 3/8" (.95cm) nap shed resistant roller. The CHEM-ROCK Slurry Resin must be rolled as evenly as possible. To do this, roll forward in a straight line and then roll the same column backwards to eliminate spike shoe marks. Overlap the next column to be rolled by 1/2" (1.3cm) with the previously rolled column. Avoid excess agitation of the liquids with the roller. This will lessen chances of bubbling of the final film. To achieve a smooth surface, it is recommended to re-roll the coating with a spiked roller to eliminate all subsurface bubbles, and alleviate fish eyes. The individual(s) applying the CHEM-ROCK Slurry Resin should be wearing "spiked sandals" available from ROCK-TRED. The CHEM-ROCK Slurry Resin can be applied at the rate of 200 sq. ft. per gallon (4.9 m²/L). Allow the CHEM-ROCK Slurry Resin to dry thoroughly before mixing and applying the next coat. It should be tack before recoating (this takes between 68 hours @ 75 °F (23.9°C) and 50% R.H). For high-build slurry systems, please refer to the specific ROCK-TRED system installation guide for application methods, techniques, and coverage.

CLEAN UP:

Application equipment should be cleaned using soap and water immediately after use, or solvent if necessary.

DISPOSAL:

Empty containers may contain product residue, including flammable or combustible vapors. Do not cut, puncture or weld near these containers. Label warnings must be observed until containers have been commercially cleaned or reconditioned. Containers to be thrown out must be disposed in accordance with federal, state and local regulations. Use only licensed hazardous waste disposal companies.

MAINTENANCE:

For optimal floor appearance and performance following installation, refer to ROCK-TRED's Floor Maintenance Instructions.

CUSTOMER NOTE:

For information on application situations not covered above, contact your local ROCK-TRED representative or the corporate office at 847-673-8200.

WARRANTY STATEMENT:

Information about ROCK-TRED products is given to the best of our knowledge, based on tests and experience. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you will make your own tests to determine the suitability of the product for your particular purpose. As products are often applied or used under conditions beyond our control, ROCK-TRED cannot guarantee anything but the quality of its products. ROCK-TRED warrants that its products meet the specifications set forth by ROCK-TRED, but we reserve the right to change any given specification without prior notice. ROCK-TRED DISCLAIMS ALL WARRANTIES RELATING TO THE PRODUCTS AND THEIR APPLICATION, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Receipt of ROCK-TRED products constitutes acceptance of the terms of this limited warranty and the terms and the conditions set out in our invoice, contrary provisions of buyer's purchase documents notwithstanding. Upon receipt of merchandise, purchaser has 30 days to notify ROCK-TRED in writing that materials are defective. In the event ROCK-TRED finds that the product delivered is off specification, ROCK-TRED will, at its sole discretion, either replace the product or refund the purchase price thereof, and ROCK-TRED's choice of one of these remedies is the buyer's sole remedy. In no event shall the liability of ROCK-TRED exceed the purchase price of shipped merchandise. Claims must be in writing. Claims after 30 days are void. ROCK-TRED will under no circumstances be liable for special, incidental or consequential damages. This warranty supercedes all other guaranties, whether oral or written, and whether expressed, implied or statutory. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Certain products may contain chemicals which may cause serious physical injury. Before using, please read the Material Safety Data Sheet and follow all precautions to prevent bodily harm.

CHEM-ROCK Slurry Resin DS REV: 1/03



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