

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

5001 LOW-VISCOSITY EPOXY ADHESIVE

Description:

Rez-Stone 5001 is a two-component, 100% solids, low-viscosity, epoxy adhesive. It is primarily for bonding fresh plastic concrete to properly prepared hardened concrete. Rez-Stone 5001 is a moisture insensitive epoxy adhesive with a low viscosity and long pot life for ease of workability and good adhesion. ASTM C-881 compliant for Type I, II, III, IV, V, VI and VII. Grade 1, Class B & C.

Advantages:

- ✓ Moisture insensitive
- ✓ Bonds to dry or damp surfaces
- ✓ Sprayable
- ✓ Excellent adhesion to concrete and most structural materials
- ✓ Solvent free
- ✓ No VOC's

Limitations:

- ✓ Minimum substrate temperature 50°F
- ✓ Substrate must be clean and sound
- ✓ Material is vapor barrier after cure

Packaging:

Unit Size: 3 gallon units, 3 gallon pre-measured kits, 15 gallon units, 150 gallon units.

Coverage will vary depending on the porosity of the surface, between 50 and 100 square feet per gallon.

Surface Preparation:

Concrete surfaces must be clean and sound. Remove all dirt, laitance, grease, wax, curing compounds, and other bond-inhibiting contaminants by shot blasting, scarification, or other approved mechanical methods. Surface may be dry or damp but free of standing water before epoxy application.

Mixing:

Mix Ratio: 2 Parts A to 1 Part B.

Pre-measured Kits: Pour entire contents of Part B into Part A. Then, mix by mechanical agitation until completely blended. Work the sides and bottom of the container to ensure a uniform blend. Mix only the amount of material that can be used within its application pot life (60-90 minutes).

Application:

Rez-Stone 5001 can be applied over properly prepared substrates by use of airless spray, roller, or squeegee. Apply at a rate of approximately 50 to 100 square feet per gallon. Avoid excess puddling in low areas; this may bleed through thin toppings. Concrete toppings can be placed immediately or while Rez-Stone 5001 is still tacky, usually within 4 to 6 hours. DO NOT ALLOW REZ-STONE 5001 TO DRY COMPLETELY before placing topping. If Rez-Stone 5001 primer loses its tackiness, remove any surface contaminants, then recoat with Rez-Stone 5001 before applying topping.

Safety Precautions:

Prolonged or repeated exposure to epoxy materials may cause eye or skin irritation. If contact occurs, wash affected area with soap and water immediately. If discomfort continues seek medical attention. Always wear suitable protective clothing and use proper safety devices. See respective MSDS for complete details.

Clean-Up:

All tools and equipment should be cleaned before material gels. Use Rez-Stone 1201 epoxy reducer.



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5001 TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity	1,490 cps
Pot Life	60-90 Minutes
Tack-Free Time	8 Hours
Color	Clear and Amber
Solids Contents	% by Weight % by Volume
Shelf Life	Greater than one year in original unopened package
Storage	Dry, between 50°F and 90°F
Tensile Strength ASTM D-638	8,500 psi
Compressive Strength ASTM C-579	11,100 psi
Compressive Modulus of Elasticity ASTM D-638	280,000 psi
Flexural Strength ASTM D-790	13,600 psi
Tensile Elongation	8.3%
Bond Strength, 100% Concrete Failure	Greater than 400 psi
Slant Shear Bond Strength ASTM C-882, 14 Day Cure	2,490 psi

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