

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

5517 100% SOLIDS NOVOLAC EPOXY PRIMER BINDER

Description:

Rez-Stone 5517 is a 100% solids novolac epoxy and when used as a primer, exhibits excellent adhesion to properly prepared substrates. When used as a binder, Rez-Stone 5517's low-viscosity produces easy-to-work-with floor systems even at low temperatures.

Advantages:

- ✓ Outstanding chemical resistance
- ✓ High-gloss tile-like finish
- ✓ Sprayable
- ✓ Solvent free
- ✓ No VOC's

Limitations:

- ✓ Minimum substrate temperature 50°F
- ✓ New concrete must be at least 28 days old
- ✓ Do not apply over wet surfaces

Packaging:

Unit Size: 2½ quart units, 2½ gallon units, 25 gallon units, 250 gallon units.

Coverage can vary from 250 square feet per gallon to 50 square feet per gallon or less depending on substrate and finish desired.

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.

Mixing:

Mix Ratio: 1½ Parts A (resin) to 1 Part B (curing agent) by volume. Temperature of material must be between 60°F and 90°F at time of mixing for best application properties. Stir the Part A (resin) component before blending with curing agent. Mix one and one half by volume Part A with one part by volume Part B for three minutes with low speed drill and paddle. Mix only that amount of material that can be used within its applicable pot life.

Application:

Application will vary with use. As a primer Rez-Stone 5517 can be applied directly over properly prepared substrates. As a binder use as directed for Rez-Stone coating, self-leveling, and trowel down systems.

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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5517 TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity	900 cps @ 70°F
Pot Life	15-20 Minutes @ 70°F
Tack Free, Recoat Time	5 Hour @ 70°F
Color	Clear – Also available in all standard colors
Solids, Mixed	% by Weight 100± 2 % by Volume 100± 2
Shelf Life	Greater than one year in original unopened package
Storage	Dry, between 50°F and 90°F
Tensile Strength ASTM D-638	4,100 psi
Compressive Strength ASTM C-579	13,000 psi
Flexural Strength ASTM D-790	4,100 psi
Tensile Elongation	5%
Bond Strength	Greater than concrete

CHEMICAL RESISTANCE

Rez-Stone 5517 has excellent resistance to most acids, alkali, solvents, fuels, grease, salts, and strong detergents. The following information is a guide for determining suitable applications of Rez-Stone 5517. The following information is based on tests conducted on totally cured samples immersed for a period of 48-hours. Rez-Stone 5517 is not recommended for constant immersion or long term containment of any chemicals but is recommended for splash spills and short term containment as indicated below.

Reagent	Affect
Acetic Acid	Up to 10%
Sulfuric Acid	Up to 50%
Nitric Acid	Up to 20%
Phosphoric Acid	Up to 20%
Muratic Acid	Up to 20%
Ammonium Hydroxide	Up to 20%
Sodium Hydroxide	Up to 50%

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