

5017 100% Solids Epoxy Primer-Binder

Description: Rez-Stone 5017 is a two component 100% solids epoxy. When used as a primer, Rez-Stone 5017 exhibits excellent adhesion properties to properly prepared substrates. When used as a binder, Rez-Stone 5017's low viscosity produces easy to work with floor systems even at cool temperatures.

Advantages:

- Low viscosity
- Excellent blush resistance
- Non-flammable 100% solids
- 0 g/l V.O.C.

Limitations:

- Minimum substrate temperature 50°F.
- New concrete must be at least 28 days old.
- Do not apply to wet surface.

Packaging:

Unit Size: 3-gallon units, 15-gallon units, 150-gallon units.
Coverage will vary with use.

INSTALLATION

Surface Preparation: Concrete surfaces must be clean and sound. Remove all dust, laitance, grease, wax, curing compounds and other bond inhibiting contaminants by shot blasting, scarification or other approved mechanical methods.

Mixing: Mix Ratio: 2 Parts A (resin) - 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. Premix Part A (resin) component before blending with cure. Mix two parts 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. When using as a primer over properly prepared surfaces, apply using a brush, roller, squeegee or spray. As a binder, use as recommended by appropriate Rez-Stone specification sheet.

TYPICAL PROPERTIES AND SPECIFICATIONS

| | |
|--------------------------------------|---|
| Blended Viscosity..... | 550 cps @ 70°F |
| Pot Life..... | 20-25 Minutes @ 70°F |
| Tack-free, Recoat Time..... | 6 hours @ 70°F |
| Color..... | Clear, also available in all standard colors. |
| Solids, Mixed..... | % by weight 100± 2 |
| | % by volume 100± 2 |
| Shelf Life..... | Greater than 1 yr. in original unopened package |
| Storage..... | Dry, between 50°F and 90°F |
| Tensile Strength ASTM D-638..... | 2,100 psi |
| Compressive Strength ASTM C-579..... | 10,000 psi |
| Flexural Strength ASTM D-790..... | 4,800 psi |
| Tensile Elongation..... | 3% |
| Bond Strength..... | Greater than concrete |

Safety Precautions:

Prolonged or repeated exposure to epoxy materials may cause eye or skin irritations. 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 1201 Epoxy Reducer or Xylene.

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CHEMICAL RESISTANCE

Rez-Stone 5017 epoxy primer binder has excellent resistance to most common acids, alkali, fuels, grease, salts and strong detergents. The following information is based on samples cured for 7 days at 77°F before testing. Test completed in accordance with ASTM D543-84.

| <u>Reagent</u> | <u>%Weight Change Over Time</u> | |
|-------------------------|---------------------------------|----------------|
| | <u>30 Days</u> | <u>28 Days</u> |
| De-ionized Water | 0.34 | 1.13 |
| Ethanol | 6.58 | Destroyed |
| Toluene | 1.38 | 19.30 |
| Xylene | 0.08 | 1.58 |
| Butyl Cellsovle | 4.22 | 13.98 |
| MEK | Destroyed | Destroyed |
| 10% Lactic Acid | 0.51 | 1.79 |
| 10% Acetic Acid | 0.92 | 2.95 |
| 70% Sulfuric Acid | 0.05 | 0.19 |
| 98% Sulfuric Acid | Destroyed | Destroyed |
| 50% Sodium Hydroxide | -0.05 | -0.01 |
| 10% Sodium Hypochlorite | 0.14 | 0.83 |
| 1,1,1 Trichloroethane | 0.61 | 5.85 |

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