

### 5079-C Conductive Chemical-Resistant Epoxy Coating

**Description:** Rez-Stone 5079-C is a 100% solids Hi-Build epoxy coating used for indoor traffic areas where a moderate degree of solvent and acid resistance must be maintained as well as a high degree of conductivity. Rez-Stone 5079-C is well suited as a finish coat over various Rez-Stone epoxy overlays and coating systems where added chemical, stain, and static resistance are necessary. Rez-Stone 5079-C has very little odor and may be applied during regular production hours.

**Advantages:**

- Excellent conductive properties.
- Non-flammable 100% solids epoxy.
- Tile-like finish.
- Good solvent and acid resistance.

**Limitations:**

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

**Packaging & Coverage:** Unit Size: 1-gallon units, 4-gallon units, 20-gallon units and 200-gallon units. Coverage can vary from 200 square feet per gallon to 75 square feet per gallon depending on substrate and finish desired.

### INSTALLATION

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

**Mixing:** Mix Ratio: 3 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. Stir the Part A (resin) component before blending. Mix three parts by volume Part A with one part by volume of Part B for three minutes with low speed drill and paddle. Mix only that amount of material that can be used within its application pot life.

**Application:** Rez-Stone 5079-C can be applied directly over properly prepared concrete surfaces or over Rez-Stone Epoxy Overlayments and Sealer Systems by using a brush, roller, squeegee or sprayer. Easiest application can be achieved by spreading with a knotted squeegee and backrolling on spiked shoes. If two coats are needed, a second coat can be applied as soon as the first coat is dry enough to walk on. Thickness per coat can vary depending on application technique and desired finish. Consult Rezstone for recommended coverage rates to maintain conductive properties.

## TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity.....	4,600 cps @ 70°F
Pot Life.....	20-25 minutes @ 70°F
Tack-free Recoat Time.....	6 hours @ 70°F
Color.....	Clear (All standard colors.)
Solids, Mixed.....	% by weight 100± 2
.....	% by volume 100± 2
Shelf Life.....	Greater than 1yr. in original unopened package
Storage.....	Dry, between 50°F and 90°F
Tensile Strength ASTM D-638.....	3,000 psi
Compressive Strength ASTM C-579.....	> 10,000 psi
Flexural Strength ASTM D-790.....	> 4,500 psi
Tensile Elongation.....	4%
Bond Strength.....	Greater than concrete
Surface Resistance ASTM F-150-89.....	0.5 - 25 Megohms

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<b>Safety Precautions:</b>	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.
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<b>Clean-Up:</b>	All tools and equipment should be cleaned before material gels. Use 1201 Epoxy Reducer or Xylene.
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## CHEMICAL RESISTANCE

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Rez-Stone 5079-C has good resistance to most common acids, alkali, fuels, grease, salts and strong detergents. The following information is based on 24-hour soak testing at 20 mils. The information is correct to the best of our knowledge. A test patch is always recommended to determine actual chemical resistance in critical situations.

<u>Reagent</u>	<u>Affect</u>
5% Acetic Acid	Unaffected
10% Sulfuric Acid	Unaffected
5% Nitric Acid	Unaffected
10% Phosphoric Acid	Unaffected
20% Ammonium Hydroxide	Unaffected
20% Sodium Hydroxide	Unaffected
Tri-Sodium Hydroxide	Unaffected
Brake Fluid (Auto)	Unaffected
Gasoline	Unaffected
A-1 Jet Fuel	Unaffected
MEK	Slight Softening
Methyl Chloride	Destroyed
Mineral Spirits	Unaffected
Xylene	Unaffected
Beer	Unaffected
Mustard	Unaffected
Milk	Unaffected
Urine	Unaffected
Whiskey	Unaffected
Vegetable Oil	Unaffected

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