

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

5579-C CHEMICAL RESISTANT CONDUCTIVE HI-BUILD NOVOLAC EPOXY COATING

Description:

Rez-Stone 5579-C is a 100% solids hi-build novolac epoxy coating for labs or secondary containment areas, where static-dissipating properties and a high degree of chemical resistance are needed. Rez-Stone 5579-C is ideal for a finish coat over Rez-Stone overlays and coating systems where chemical and abrasion resistance are required along with electrical conductivity. Rez-Stone 5579-C has very little odor and has excellent resistance to a wide range of solvent and acids.

Advantages:

- ✓ Excellent conductivity
- ✓ Gloss tile-like finish
- ✓ Excellent chemical resistance
- ✓ 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: 5 quart units, 5 gallon units, 25 gallon units, 250 gallon units.
Coverage will be 95 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.

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:

Rez-Stone 5579-C can be applied directly over properly primed Rez-Stone epoxy overlayments and coating systems by using a brush, roller, or squeegee. Easiest application can be achieved by spreading with a notched squeegee and back-rolling 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. Application thickness of 95 square feet per gallon is REQUIRED TO MAINTAIN CONDUCTIVE PROPERTIES.

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.



Warranties: Hoover & Wells, Inc. warrants the quality of its Rez-Stone products, and takes responsibility only for furnishing specifications and recommendations for their proper installation. Hoover & Wells, Inc. hereby disclaims all other warranties expressed or implied, and any implied warranties of merchantability or fitness for a particular purpose. Hoover & Wells, Inc. shall have no liability to the Purchaser for any property damage, bodily injury, death or other loss arising out of possession or use of Rez-Stone products. Hoover & Wells, Inc. shall not be responsible for any claim resulting from failure to use its product other than the manner outlined with the instructions provided for use of the products. Under no circumstances shall Hoover & Wells, Inc. be liable for any damages or otherwise in excess of the purchase price. Any claim for breach of warranty shall be given to Hoover & Wells, Inc. in writing with 90 days of delivery or the claim shall be deemed waived. All information here is provided in good faith only as an aid to the Purchaser. Thus, the Seller does not guarantee the accuracy of the information and assume no liability for reliance thereof. Rez-Stone® is a registered trademark of Hoover & Wells, Inc.

5579-C TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity	5,500 cps @ 70°F
Pot Life	30-35 Minutes @ 70°F
Tack Free, Recoat Time	10 Hours @ 70°F
Cured for Foot Traffic	18 Hours @ 70°F
Cured for Forklift Traffic	24 Hours @ 70°F
Color	Most medium or dark 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	4,256 psi
Compressive Strength ASTM C-579	12,500 psi
Flexural Strength ASTM D-790	3,900 psi
Tensile Elongation	4.5%
Bond Strength	Greater than concrete
Surface Resistance ASTM F-150-89	Less than 1.0 Megaohms

CHEMICAL RESISTANCE

Rez-Stone 5579-C has a 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. Strong acids and chemical mixtures may cause staining; bench testing is always recommended.

Reagent	Affect
10% Acetic Acid	Unaffected
50% Sulfuric Acid	Unaffected
20% Nitric Acid	Unaffected
20% Phosphoric Acid	Unaffected
20% Ammonium Hydroxide	Unaffected
20% Sodium Hydroxide	Unaffected
Tri-Sodium Phosphate	Unaffected
Brake Fluid (Auto)	Unaffected
Gasoline	Unaffected
A-1 Jet Fuel	Unaffected
MEK	Slight Softening *
Methyl Chloride	Slight Softening
Mineral Spirits	Unaffected
Toluene	Slight Softening *
Xylene	Unaffected
Beer	Unaffected
Mustard	Unaffected
Milk	Unaffected
Urine	Unaffected
Isopropyl Alcohol	Unaffected
Whiskey	Unaffected
Vegetable Oil	Unaffected

Warranties: Hoover & Wells, Inc. warrants the quality of its Rez-Stone products, and takes responsibility only for furnishing specifications and recommendations for their proper installation. Hoover & Wells, Inc. hereby disclaims all other warranties expressed or implied, and any implied warranties of merchantability or fitness for a particular purpose. Hoover & Wells, Inc. shall have no liability to the Purchaser for any property damage, bodily injury, death or other loss arising out of possession or use of Rez-Stone products. Hoover & Wells, Inc. shall not be responsible for any claim resulting from failure to use its product other than the manner outlined with the instructions provided for use of the products. Under no circumstances shall Hoover & Wells, Inc. be liable for any damages or otherwise in excess of the purchase price. Any claim for breach of warranty shall be given to Hoover & Wells, Inc. in writing with 90 days of delivery or the claim shall be deemed waived. All information here is provided in good faith only as an aid to the Purchaser. Thus, the Seller does not guarantee the accuracy of the information and assume no liability for reliance thereof. Rez-Stone® is a registered trademark of Hoover & Wells, Inc.

