

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

5078 100% SOLIDS HI-BUILD EPOXY COATING

Description:

Rez-Stone 5078 is a 100% solids hi-build epoxy coating for high indoor traffic areas, such as pedestrian walkways or factory aisles, where a semi-gloss or orange peel finish is needed. Rez-Stone 5078 is ideal for a finish coating over Rez-Stone epoxy overlays and coatings systems where stain and abrasion resistance are required. Rez-Stone 5078 has very little odor and has excellent resistance to most common industrial cleaners and fluids.

Advantages:

- ✓ Excellent amine blush resistance
- ✓ Gloss tile-like finish
- ✓ Moisture insensitive
- ✓ 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: 3 quart units, 1½ gallon units, 15 gallon units, 150 gallon units.

Coverage will vary from 200 square feet per gallon to 75 square feet per gallon 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: 2 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 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:

Rez-Stone 5078 can be applied directly over properly prepared concrete or over Rez-Stone epoxy overlayers and sealer systems by using a brush, roller, squeegee, or sprayer. 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. Thickness per coat can vary depending on application technique and desired finish. Thinner applications leave a tight orange peel and thicker applications leave a heavier orange peel.

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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5078 TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity	3,400 cps @ 70°F
Pot Life	20-25 Minutes @ 70°F
Tack Free, Recoat Time	6 Hour @ 70°F
Cured for Foot Traffic	12 Hours @ 70°F
Cured for Forklift Traffic	24 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 one year in original unopened package
Storage	Dry, between 50°F and 90°F
Tensile Strength ASTM D-638	2,400 psi
Compressive Strength ASTM C-579	11,200 psi
Flexural Strength ASTM D-790	4,300 psi
Tensile Elongation	5%
Bond Strength	Greater than concrete

CHEMICAL RESISTANCE

Rez-Stone 5078 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 area is always recommended to determine actual chemical resistance in critical situations.

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

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