

REZSTONE

Epoxy Floor Systems

SPECIFICATIONS

9315 THREE-COAT EPOXY & URETHANE FLOOR SYSTEM

Description:

Rez-Stone 9315 is an economical epoxy and urethane coating system that provides 15 mil coating protection over new or like new concrete floors. Rez-Stone 9315 is designed for moderate industrial floor surface, incorporating two 100% solids epoxy base coats for adhesion and filling properties followed by one coat of Rez-Stone 6300 chemical resistant urethane. Rez-Stone 9315 offers a high-gloss finish with excellent chemical and abrasion resistance.

Advantages:

- ✓ Economical
- ✓ High gloss finish
- ✓ Excellent chemical resistance
- ✓ Excellent abrasion resistance

Limitations:

- ✓ Substrate minimum temperature 55°F
- ✓ New concrete must be at least 28 days old
- ✓ Substrate must be clean and sound
- ✓ Do not apply to wet substrate or substrates exhibiting moisture vapor transmission

Coverage Nominal 15 Mils:

Prime Coat	250 Square Feet per Gallon (7 mil)	Rez-Stone 5017
Intermediate Coat	350 Square Feet per Gallon (5 mil)	Rez-Stone 5017
Topcoat	300 Square Feet per Gallon (3 mil)	Rez-Stone 6300

Surface Preparation:

Concrete surfaces must be clean and sound. Remove all dirt, laitance, grease, curing compounds, and other bond-inhibiting contaminants by shot blasting, scarification, or other approved mechanical methods. Due to the relatively thin film thickness of the system, brush blasting is recommended with a S-280 shot or smaller to prevent blast marks from telegraphing through the coating. Treated surfaces must be magnetically broomed to remove all steel shot, and vacuumed to remove all dust and dirt before applying any coatings.

Application:

After proper surface preparation, apply a prime coat of Rez-Stone 5017 using a flat rubber squeegee or roller. After primer has cured, fill all cracks and small holes using Rez-Stone 2610 epoxy crack patch. After patching, apply a second coat of Rez-Stone 5017 using a squeegee, trowel, or roller to achieve required thickness. After proper curing of the second coat, normally 12 to 24 hours, apply Rez-Stone 6300 with a heavy-duty roller. Do not allow epoxy to cure more than 24 hours before applying the urethane topcoat. If more time is allowed, the epoxy surface must be lightly sanded or screened before applying topcoats. Slip-resistant coatings may be achieved by broadcasting #25 silica into the second coat of wet epoxy or by adding Rez-Stone 2150 or 2350 non-skid additives to the urethane topcoat.

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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9315 TYPICAL PROPERTIES AND SPECIFICATIONS OF CURED SYSTEM

Tensile Strength ASTM D-638	5,400 psi
Compressive Strength ASTM C-579	11,000 psi
Flexural Strength ASTM D-790	8,300 psi
Tensile Elongation	10%
Bond Strength	Greater 300 psi (concrete failure)
Flammability ASTM D-635	Self-extinguishing
Electrical Conductivity	Non-conductive
Water Absorption % ASTM D-570	0.10
Abrasion Resistance ASTM D-1044	Excellent < .03 gm weight loss (C10 wheel 1.000gm load, 1000 cycles)
Color	Available in clear and all standard colors

CHEMICAL RESISTANCE

Rez-Stone 9315 has optional finish coats with excellent resistance to most common acids, alkali, fuels, grease, salts, and strong detergents. The following information is based on 24-hour spot testing at 5 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.

Reagent	Rez-Stone 6100 Topcoat Affect	Rez-Stone 6300 Topcoat Affect
10% Acetic Acid	Unaffected	Unaffected
20% Acetic Acid	Softened	Unaffected
10% Chromic Acid	Unaffected	Unaffected
20% Hydrochloric Acid	Unaffected	Unaffected
10% Nitric Acid	Softened	Unaffected
50% Phosphoric Acid	Unaffected	Unaffected
10% Sulfuric Acid	Unaffected	Unaffected
40% Sulfuric Acid	Unaffected	Unaffected
10% Ammonium Hydroxide	Unaffected	Unaffected
50% Sodium Hydroxide	Unaffected	Unaffected
10% Tri-Sodium Phosphate	Unaffected	Unaffected
Ethyl Alcohol	Unaffected	Unaffected
Isopropyl Alcohol	Unaffected	Unaffected
Brake Fluid (Auto)	Softened	Unaffected
Skydrol 500 B Hydraulic Fluid	Softened	Unaffected
Gasoline	Unaffected	Unaffected
Jet Fuel A-1	Unaffected	Unaffected
Toluene	Unaffected	Unaffected
Methyl Chloride	Destroyed	Softened
Trichlorethylen	Softened	Softened
Mineral Spirits	Unaffected	Unaffected
Xylene	Unaffected	Unaffected
Beer	Unaffected	Unaffected
Mustard	Unaffected	Unaffected
Milk	Unaffected	Unaffected
Urine	Unaffected	Unaffected
Whiskey	Unaffected	Unaffected
Vegetable Oil	Unaffected	Unaffected
20% Sodium Chloride	Unaffected	Unaffected
10% Citric Acid	Softened	Unaffected
MEK	Softened	Unaffected

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