

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

6300 CHEMICAL RESISTANT POLYURETHANE

Description:

Rez-Stone 6300 polyurethane is a two-component aliphatic catalyzed polyurethane. Rez-Stone 6300 offers maximum chalk-resistance, color stability and gloss retention over any Rez-Stone epoxy floor system. Rez-Stone 6300 is formulated for use in chemical and solvent environments where resistance to abrasion and ultraviolet rays is required. Also, it is for use in aircraft hangers requiring high light-reflectivity and resistance to jet fuels and Skydrol-500.

Advantages:

- ✓ Excellent chemical resistance
- ✓ Excellent gloss retention
- ✓ Excellent UV resistance
- ✓ Excellent reflectivity
- ✓ High gloss finish

Limitations:

- ✓ Minimum substrate temperature 40°F
- ✓ Use in well-ventilated areas
- ✓ All open flames must be extinguished before coating

Packaging:

Unit Size: 3 quart units, 1½ gallon units, 15 gallon units

Colored Unit Sizes: 1 gallon units, 4 gallon units, 20 gallon units

Recommended coverage is 325-450 square feet per gallon.

Surface Preparation:

Rez-Stone 6300 is recommended as a finish coat of properly applied Rez-Stone epoxy floor systems and should be used accordingly.

Mixing:

Mix Ratio: 2 Parts A (resin) to 1 Part B (catalyst) by volume.

For best application properties, temperature of material must be between 60°F and 80°F at time of mixing. Always pre-stir Part A component before blending. Mix appropriate amounts of Parts A and B for three minutes with low speed drill and paddle. Material may be used immediately after mixing.

Application:

Rez-Stone 6300 may be applied over properly installed epoxy floor systems using a high quality brush or roller.

Safety Precautions:

Do not use near a source of flame or spark. Store away from heat, sparks, and/or flames. When applying forced ventilation must be provided in enclosed areas. Avoid all contact with eyes and skin. Wear approved and fitted respirator, protective gloves, and glasses. Do not take internally. 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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6300 TYPICAL PROPERTIES AND SPECIFICATIONS

Viscosity	70 KU
Pot Life	4 Hours @ 70°F / 50% RH
Tack Free	2 Hour
Recoat Time	Minimum 4-6 hours Maximum 10-12 hours
Color	Clear – Also available in all standard colors
Solids, Mixed	% by Weight 66± 2 % by Volume 54± 2
Shelf Life	Greater than one year in original unopened package
Storage	Dry, between 40°F and 90°F
Flexibility	Excellent
Abrasion Resistance	Excellent

CHEMICAL RESISTANCE

Rez-Stone 6300 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 5 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	Reagent	Affect
10% Acetic Acid	Unaffected	A-1 Jet Fuel	Unaffected
20% Acetic Acid	Unaffected	Acetone	Unaffected
10% Chromic Acid	Unaffected	MEK	Unaffected
20% Hydrochloric Acid	Unaffected	Toluene	Unaffected
10% Nitric Acid	Unaffected	Methyl Chloride	Slight Softening
40% Phosphoric Acid	Unaffected	Trichlorethylene	Slight Softening
10% Sulfuric Acid	Unaffected	Mineral Spirits	Unaffected
40% Sulfuric Acid	Slight Softening	Xylene	Unaffected
Ammonium Hydroxide	Unaffected	Naphtha	Unaffected
Sodium Hydroxide	Unaffected	Beer	Unaffected
Tri-Sodium Phosphate	Destroyed	Mustard	Unaffected
Ethyl Alcohol	Destroyed	Milk	Unaffected
Isopropyl Alcohol	Unaffected	Urine	Unaffected
Brake Fluid (Auto)	Slight Softening	Whiskey	Unaffected
Skydrol 500 B Hydraulic Fluid	Unaffected	Vegetable Oil	Unaffected
Gasoline	Unaffected		

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