

# REZSTONE

2011 Seaman St., Toledo, Ohio 43605 TECHNICAL DATA

6300  
Chemical  
Resistant  
Polyurethane

## 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 ultra violet rays is required. Also, 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.

**Limitations:**

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

**Packaging & Coverage:** Unit Size: 3-quart units, 1-1/2-gallon units, 15-gallon units.  
Colored Unit Sizes: 1-gallon units, 4-gallon units, 20-gallon units.  
Recommended coverage is 300 square feet per gallon.

## INSTALLATION

**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:** 6300 Clear Mix Ratio: 2 Parts A (resin) - 1 Part B (catalyst) by volume  
6300 Color Mix Ratio: 3 Parts A (resin) - 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 & B for three minutes with low speed drill and paddle. Material may be used immediately after mixing.

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

## TYPICAL PROPERTIES AND SPECIFICATIONS

Viscosity.....	70 KU
Pot Life.....	4 hours @ 70°F/50% RH
Tack Free.....	2 hours
Recoat Time .....	Minimum 4-6 hours
.....	Maximum 10 - 12 hours
Color .....	Clear - Available in all standard colors
Solids Content Mixed .....	% by weight 66± 2
.....	% by volume 54±
Shelf Life .....	Greater than 1 yr. in unopened container
Storage .....	Dry between 40°F and 90°F
Flexibility .....	Excellent
Abrasion Resistance .....	Excellent

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**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.

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**Clean-Up:**

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 6300 has excellent 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 patch is always recommended to determine actual chemical resistance in critical situations.

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

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