

# REZSTONE

2011 Seaman St., Toledo, Ohio 43605 TECHNICAL DATA

5579  
100% Novolac  
Solids Epoxy  
Top Coat

## 5579 100% Novolac Solids Epoxy Top Coat

**Description:** Rez-Stone 5579 is a 100% Novolac Solids Epoxy. For use on heavy indoor traffic areas such as pedestrian walkways, factory aisles or containment areas, where extreme chemical and abrasion resistance are required. Rez-Stone 5579 is ideal for a finish coat over Rez-Stone self-leveling and multi-coat epoxy sealer systems, when a gloss orange peel or textured finish is desired.

**Advantages:**

- Outstanding chemical resistance.
- Non-flammable 100% solids epoxy.
- High-gloss, tile-like finish
- Sprayable

**Limitations:**

- Minimum substrate temperature 50°F.
- New concrete must be at least 28 days old.
- Do not apply over glistening wet surface.

**Packaging & Coverage:** Unit Size: 2-1/2-quart units, 2-1/2-gallon units, 25-gallon units, 250-gallon units. Coverage can vary from 250 square feet per gallon to 50 square feet per gallon or less depending on substrate and finish desired.

## INSTALLATION

**Surface Preparation:** Concrete surfaces must be clean and sound. Remove dust, laitance, grease, curing compounds, wax or other bond inhibiting substances by shot blasting, scarification or other approved mechanical means.

**Mixing:** Mix Ratio: 1-1/2 Parts A (resin) - 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. Mix one and one half parts by volume Part A with one part by volume of Part B for three minutes with low speed drill and paddle. Mix only that amount of material that can be used within its application pot life.

**Application:** Rez-Stone 5579 can be applied directly over properly prepared concrete or over Rez-Stone self-leveling and sealer systems by using a brush, roller, squeegee or sprayer. If two coats are needed, a second coat can be applied as soon as the first coat is tack-free. Thickness per coat will vary depending on application technique and desired finish. Rez-Stone 5579 may be applied as thin as 8 mils or as much as 20 mils in one application.

## TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity.....	4,500 cps @ 70°F
Pot Life.....	35-40 minutes @ 70°F
Tack-free Recoat Time.....	8 hours @ 70°F
Color.....	Clear (All standard colors)
Solids, Mixed.....	% by weight 100± 2
.....	% by volume 100± 2
Shelf Life.....	Greater than 1yr. 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.....	5%
Bond Strength.....	Greater than concrete

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**Safety Precautions:** Prolonged or repeated exposure to epoxy materials may cause eye or skin irritations. 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.

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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 5579 has excellent resistance to most acids, alkali, solvents, fuels, grease, salts and strong detergents. The following information is a guide for determining suitable applications of Rez-Stone 5579. The following information is based on tests conducted on totally cured samples immersed for a period of 48 hours. Rez-Stone 5579 is not recommended for constant immersion or long term containment of any chemicals but is recommended for splash spills and short term containment as indicated below. In all cases some discoloration may occur.

Up to 10%	Acetic Acid
Up to 50%	Sulfuric Acid
Up to 20%	Nitric Acid
Up to 20%	Phosphoric Acid
Up to 20%	Hydrochloric Acid
Up to 20%	Ammonium Hydroxide
Up to 50%	Sodium Hydroxide
	Tri Sodium Phosphate
	Xylene
	MEK
	Mineral Spirits
	Brake Fluid
	Gasoline
	Fuel Oil
	A-1 Jet Fuel
	Beer
	Whiskey
	Tomato Paste
	Milk
	Vegetable Oil

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