

REZSTONE

Epoxy Floor Systems

TECHNICAL DATA

5579 100% SOLIDS NOVOLAC EPOXY TOPCOAT

Description:

Rez-Stone 5579 is a 100% solids novolac epoxy. It is 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
- ✓ High gloss, tile-like finish
- ✓ Sprayable
- ✓ 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: 2½ quart units, 2½ 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.

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: 1½ 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 one and one half 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 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.

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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5579 TYPICAL PROPERTIES AND SPECIFICATIONS

Blended Viscosity	4,500 cps @ 70°F
Pot Life	35-40 Minutes @ 70°F
Tack Free, Recoat Time	8 Hour @ 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	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

CHEMICAL RESISTANCE

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.

Reagent	Affect
Acetic Acid	Up to 10%
Sulfuric Acid	Up to 50%
Nitric Acid	Up to 20%
Phosphoric Acid	Up to 20%
Hydrochloric Acid	Up to 20%
Ammonium Hydroxide	Up to 20%
Sodium Hydroxide	Up to 50%

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