



RezGuard Shop Floor Coating

RezGuard thin-mil epoxy or urethane flooring is a solid color seamless flooring system consisting of 100% solids epoxy and natural quartz aggregates with a chemical and wear-resistant topcoat. Available in standard or coarse textures, it provides a monolithic, one-color surface perfect for hiding imperfections and withstanding heavy-duty use. Incorporating decorative scores or multiple colors or by exposing the natural concrete with clear coating gives different options for custom-designed effects. ■ RezGuard thin-mil epoxy or urethane floors are typically installed over concrete. Thin-mil flooring systems usually consist of a two- or three-coat application, have a clear or colored finish, and often replace concrete sealants. Thin-mil coatings provide a durable finish and are used in light industrial environments as well as residential and commercial applications. They can be made slip- and stain-resistant and, in combination with urethanes, they provide excellent UV stability and chemical resistance.

Because of its slip resistance, durability, and chemical resistance, RezGuard is great for:

- Manufacturing Plants
- Fire Stations
- Laboratories
- Pharmaceutical Plants
- Garages/Service Areas
- Supermarkets
- Animal Care Facilities
- Hangars & Equipment Bays

RezGuard Thin-Mil / Shop Floor Features:

- Chemical Resistant
- Slip and Stain Resistant, Even When Wet
- Abrasion Resistant
- Attractive Finish
- Customizable Color & Texture
- Up to 5 Times Stronger than Concrete
- Easy to Clean
- Durable for Light Industrial, Commercial, and Residential Use

RezGuard Shop Floor Coating

Typical Properties of an 1/4" thick RezGuard

Property	Value	Reference
Hardness	70-80	Shore D ASTM D2240
Compressive Strength	12,500 psi	ASTM C579
Flexural Strength	5,700 psi	ASTM C790
Flexural Modulus	500,000 psi	ASTM C5580
Tensile Strength	8,500 psi	ASTM C307
Tensile Modulus	4.7 x 10 ⁵ psi	ASTM D638
Tensile Elongation	4.8% 4.8%	ASTM D638
Coefficient of Thermal Expansion	0.0004 inches	ASTM C531
Water Absorption	0.04%	ASTM C413
Heat Distortion Temperature	245°F 118°C	ASTM D648
Slip Resistance	0.5	ASTM C1028
Indentation	3.27%	MIL-D3134
Impact Resistance	Pass	MIL-D3134
Wear Resistance	0.023 inch	ASTM D1242 Method A
Elevated Temperature Resistance	1/32 inch	MIL-D3134
FDA/USDA accepted for incidental food contact	Yes Yes	

Liquid Resin Properties

Viscosity at 70°F	600 CPS
Pot Life at 70°F	16 minutes
Cure Time, Touch Dry at 70°F	6-8 hours
Cured Film Thickness:	18 Mils at 100 Sq.Ft. P/G
USDA Accepted	

All material herein is believed to be reliable at the time of publication and is intended to be useful in suggesting possible applications or in providing evaluation of the product and product systems herein. The use or the application of these products being beyond the control of the seller or manufacturer, neither seller nor manufacturer makes any warranty, expressed or implied, as to the results or the hazards from normal and ordinary usage. No resulting warranties, whether expressed or implied, are intended to be created by these informational materials. Any recommendation or technical advice rendered is not to be taken as license to utilize any of the existing technology or trade secrets of ChemRez. RezGuard is a licensed trademark of ChemRez.