



RezQuartz Epoxy Floor System

RezQuartz Epoxy Flooring System is a low viscosity 100% Solids epoxy resin with quartz aggregate broadcasted into the surface. This system is available in a wide range of colors and textures. Its design features make it an ideal system for many harsh environmental conditions. It is generally applied at a thickness of 1/8" -1/4" but may be applied thicker if conditions warrant. Its design features provide for the highest industrial demands.

Benefits

- Seamless Flooring System
- Essentially Odorless
- Meets USDA, FDA, CFIA and OSHA Standards
- Excellent Adhesion to Concrete Substrate
- Low Maintenance
- CA 01350 Air Quality Compliant
- VOC Compliant
- Chemical Resistant
- Abrasion Resistant
- Withstands Heavy Forklift Traffic
- Does Not Promote the Growth of Fungi or Bacteria

Applications

- Food Processing Plants
- Meat Packing and Poultry Plants
- Dairy Plants
- Commercial Kitchens
- School, Prisons and Jails
- Pharmaceutical Plants
- Shower, Locker Rooms, Break Rooms
- Clean Rooms
- Laboratories
- Animal Care Areas
- Hospitals
- Food Ingredients Plants

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Typical Properties of an 3/8" (3.185mm) thick RezQuartz

Property	Value	Reference
Compressive Strength	16,000 psi	ASTM C579
Flexural Strength	19,900 psi	ASTM D790
Flexural Modulus	500,000 psi	ASTM C5580
Tensile Strength	12,000 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	0.005%	ASTM C413
Heat Distortion Temperature	245°F 118°C	ASTM D648
Slip Resistance	0.5	ASTM C1028
Indentation	3.27%	MIL-D3134
Impact Resistance	1/56 inch	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, Brookfield, 77°F (25°C), CPS	200-400
Combining Ratio, Parts Resin to Parts Hardener by Volume	4 to 1
Gel Time (minutes)	12-18 Peak
Exotherm:	400-440°F / 204-227°C
Specific Gravity	1.05-1.07
Uncatalyzed Shelf Life at 77°F (25°C), Months	12
% Solids (% reactive material)	100

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