

POLYPRO

Industrial Flooring & Drain Systems

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RezCrete Cementitious Urethane Flooring System

RezCrete (self leveling broadcast) is a 100% solids aromatic cementitious urethane floor system with a quartz aggregate broadcast. Its design features make it an ideal system for many harsh environmental conditions, especially where thermal cycling is present. Its design features provide for the highest industrial demands. This system is available in a wide range of colors and textures. It is generally applied at a thickness of 1/8" - 3/4" but may be applied thicker if conditions warrant.

Advantages

- Resistant to Thermal Shock
- 100°F to 300°F Temperature Range
- Ideal for CIP Applications
 - and Steam Cleaning
- Handles Severe Impact Conditions
- Seamless Flooring System
- Essentially Odorless
- Withstands Heavy Forklift Traffic
- Chemical Resistant
- Abrasion Resistant
- VOC Compliant
- CA 10350 Air Quality Compliant
- Meets USDA, FDA and
 - CFIA Standards
- Can be Applied To
 - 7-14 Day Old Concrete
- Does Not Promote the
 - Growth of Fungi or Bacteria
- ADA Compliant

Applications

- Beverage Plants
- Dairies
- Food Processing Plants
- Freezers and Cold Storage
- Meat Packing and Poultry Plants
- Fryer Lines
- Chemical and Secondary
 - Containment
- Commercial Kitchens
 - and Restaurants
- Bakeries
- Pharmaceutical
- Food Ingredients Plants
- Snack Food Plants
- Wet Process Areas
- Battery Manufacturing Plants

RezCrete

Cementitious Urethane Flooring System

Typical Properties

Property	Value	Reference
Compressive Strength	8,200 psi	ASTM C579
Flexural Strength	2,375 psi	ASTM C580
Tensile Strength	920 psi	ASTM C307
Bond to Concrete	350 psi (concrete fails at this point)	ASTM C470
Flammability	Non-Burning	ASTM D635
Hardness	80-85	Shore D
Thermal Shock Resistance	Passed	ASTM C884
Impact Resistance	16ft/lbs.-0.002 in. indent	MIL-D3134F
Coefficient of Thermal Expansion	<- 12.6 x 10 ⁻⁶ ->	C531
Water Absorption	.10% maximum	ASTM D570
Linear Shrinkage	.20% maximum	ASTM C531
Impact Resistance	16 ft./lb. – no failure	Mil-D3134F
Anti-Microbial	Passes	G21
Coefficient of Friction	Passes	ASTM D2047
Modules of Elasticity	1.8 x 10 ⁵	
Temperature Rating	250°F	

Product Data

Volumetric Ratio	1 to 1
Solids	100% (+-1%)
Application Temperature	65-90°F
Thinning	Not required
Pot Life	15 minutes
Time to join one batch to next batch on floor	20 minutes
Cure Time	4-6 hours (walking) 12-16 hours (traffic)
USDA Food & Beverage	Meets requirements

Care And Maintenance

Rez-Crete is designed to be a maintenance-free flooring. The high degree of chemical resistance imparted by the urethane binder allows this system to be cleaned with strong acid or caustic cleaners without damage.

Chemical Resistance

The following chemical resistance listing for Rez-Crete is provided to help determine the utility of this product. Substances not found on this list are those not yet tested by Precision Flooring at the time of publication. In the event a substance of interest is not listed, please contact Precision for further information.

Chemical	Rating
Acetic Acid	NR
Acetone	NR
Alcohol, Ethyl	SS
Alcohol, Isopropyl	R
Aluminum Hydroxide	R
Citric Acid	R
Copper Chloride	R
Diesel	R
Ferric Acid	R
Hydrochloric Acid 37%	R
Nitric Acid 30%	SS
Phosphoric Acid	SS
Skydrol	R
Sodium Bisulfate	R
Sodium Chloride	R
Sodium Hydroxide 50%	R
Sulfuric Acid 30%	R

NOTE: The above guide is based on seven (7) days exposure of the listed chemical at 72°F (22°C).

KEY: R = Recommended; SS = Splash and Spill; NR = Not Recommended.

Above chart serves as a guideline only. Samples will be furnished upon request for testing.

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