

Cargill ChemRes™ 226 Polyol Resin

Product Description

ChemRes™ 226 polyol resin is an aqueous, OH-reactive emulsion that can be used as a component of a three-part, resin-based, cementitious-polyurethane flooring system. When formulated, ChemRes™ 226 polyol resin produces high performance properties in coatings, slurries, and trowel mortar systems. As a concrete coating, ChemRes™ 226 polyol resin exhibits good durability through high compressive and bond strength.

Typical Properties

	TYPICAL VALUE	UNIT OF MEASURE
Appearance @ 25°C	White Opaque	Visual
Viscosity @ 25°C	250	cP
Density @ 25°C	8.25	lb/gal
Equivalent Weight (OH)	Approx. 210	g/eq

Advantages

- Thermal shock resistant
- Thermal cycling properties
- Impact and abrasion resistance
- Resistant to steel cart traffic
- Similar thermal expansion to concrete
- Resistant to sanitizing chemicals
- Excellent corrosion and chemical resistance
- Suitable for high modulus formulations

Applications

- Meat, poultry, and fish processing facilities
- Fruit and vegetable processing facilities
- Wineries, distilleries, and breweries
- Food and beverage facilities
- Livestock facilities
- Commercial kitchens
- Pharmaceutical facilities
- Grout and mortar
- Cold storage facilities

Example of Formulated Application Performance

PROPERTY	TYPICAL VALUE	UNIT OF MEASURE	METHOD
Work Time	15	Minutes	
Compressive Strength	7200	psi	ASTM D-695
Bond Strength	100% Concrete Failure	psi	ASTM D-4541
Dry to Touch	Approx. 12	Hours	
Dry Time to Full Service	24 - 48	Hours	

Note – Results are from laboratory testing at 72°F / 25% relative humidity.

Compatibility

ChemRes™ 226 polyol resin is compatible with most MDI-based Isocyanates, however, compatibility testing prior to large-scale application is recommended to ensure safe use.

Storage Life

The recommended shelf life is 3 months in unopened containers maintained at a proper storage temperature of 25°C. Keep away from extreme heat, cold, and moisture.

Handling Precautions

Please refer to the product's safety data sheet for shipping, safety, and handling.

Standard Packaging

Product is available in drums and totes.

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