

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.

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

Advantages

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

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

Performance Properties

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.

Packaging, Storage, and Handling

Product is available in drums and totes. Please refer to the product's safety data sheet for shipping, safety, and handling.

Shelf 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.

Environmental and Safety

Please refer to the product's safety data sheet.

If you have further questions do not hesitate to **reach out to your local representative.**

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