



CreoShield - Product Data Sheet

Description

CreoShield is a moisture-tolerant, water-based epoxy. CreoShield can be applied to damp areas and will chemically cross-link within and on a substrate, resulting in high tensile, bond and flexural strengths. The hardened coat will reduce Creosote off-gassing to near zero and eliminate creosote's petroleum and chemical insecticide odors.

CreoShield may be installed as a stand-alone topcoat or intermediate coat.

CreoShield can be used to coat exterior wood and concrete structural components.

CreoShield can successfully coat substrates with elevated WVT conditions where other coatings will fail.

Independent test results indicate this coating also does not support the growth of mold or mildew.

Benefits

- Encapsulates Odors: Creosote, animal urine, mold and mildew ...
- Does not support Mold/Mildew Growth
- Moisture/WVT Tolerant
- Low Odor/Water-based Epoxy
- Colors Available

Applications

- Commercial/Retail Facilities
- Industrial/Manufacturing Facilities
- Damp or Elevated WVT Areas
- Odor Sensitive Areas Chemical Resistance
- Government/Public Housing

Chemical Resistance

	Splash	1 day	7 day
Skydrol	E	VG	G
Gasoline	E	E	VG
Motor Oil	E	E	VG
MEK	G	P	NR
Solvents	E	G	G
Alkalis	E	G	NR

E=Excellent, VG=Very Good, G=Good, P=Poor, NR= not recommended

Technical Data

Compressive Strength (ASTM C-579)	5,000 psi
Tensile Strength (ASTM C-307)	2,350 psi
Flexural Strength (ASTM C-580)	3,300 psi
Abrasion Resistance (ASTM D-4060)	75-85 mg loss
% Solids by Volume (mixed)	72%
Shore Hardness (ASTM D-2240)	75-85
Bond Strength (ASTM D-4541)	
▪ Concrete 3K psi	350 psi ¹
▪ Vinyl Composite Tile (VCT)	200 psi ¹
▪ Ceramic Tile	600 psi
Cure Time @ 78o F and > 50% humidity	
▪ recoat	4-6 hours
▪ light traffic	24 hours
▪ full cure	96 hours
WVT Level ³	> 8 lbs
Coverage Rate ²	300-500 sqft/gal
Pot Life	4-6 hours
VOC Content	> 0.1 lbs/gal
Installation Temperature	Above 55° F

¹ substrate failure occurred

² coverage will vary with porosity of substrate

³ contact technical department for special WVT instructions

Available in 4 Kit Sizes, Custom Colors
and 3 Finishes: Gloss, Satin and Matte

	Resin	Catalyst	Finish Coat	Water for Primer
8 gallon kit	4 Gallons	1 Gallon	3 Gallons	or 4 Gallons
2 gallon kit	1 Gallon	1 Quart	3 Quarts	or 1 Gallon
1 gallon kit	2 Quarts	1 Pint	3 Pints	or 2 Quarts
1/2 gallon kit	1 Quart	1/2 Pint	1.5 Pints	or 1 Quart

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