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TD.473 - TECHNICAL DATA: E100-VR1™ Clear UV Resistant Epoxy

Revised: 1.23.16

Product Name: E100-VR1™ Clear UV Resistant Epoxy

Product Class: Clear epoxy protective coating

Description:

E100-VR1™ is 100% solids, UV resistant, low viscosity, clear, high gloss epoxy coating system specifically designed for incidental interior exposure to UV attack.

Bonds to slightly damp concrete and is not effected by high humidity. Resistant to microbial growth and fungus. Exceptional hardness to provide years of service.

TYPICAL USES:

REFLECTOR™ Enhancer Flooring Systems
HERMETIC™ Color quartz & flake broadcast floors
HERMETIC™ Stout & Paramount floors
Use for protective base or top coat

VISCOSITY: @ 73°F

Part A 625 cps Part B 175 cps Mixed 450 cps

FEATURES:

Good chemical resistance Excellent UV resistance Bonds to damp concrete No effect in high humidity

CURE SCHEDULE: @ 75F (24C)

Pot Life: 20 minutes Tack Fee: 7 to 8 hours Full traffic + 24 hours

MIX RATIO: 2 Parts A to 1 Part B by Volume

PHYSICAL PROPERTIES

Compressive Strength ASTM D 695 11,900 psi Tensile Strength ASTM D 638 5600 psi Elongation at Break 3.9% ASTM D 638 Flexural Strength ASTM D 790 4500 psi Abrasion Resistance CS-17 Wheel, 1 kg load **ASTM 4060** 09 mg loss Water Absorption (2 hour boil) ASTM D 570 0.07% Shore D Hardness **ASTM D 2240** 76 Heat Distortion Temperature ASTM D 648 130 F Volatile Organic Content 0.00 lbs. per gallon

CHEMICAL RESISTANCE

Water (fresh and Salt) 1%-50% Sodium Hydroxide 1%-10% Sulfuric Acid 1%-10% HCL

Xylene

111 Trichloroethane

Oil Gasoline

Butanol

Available Packaging:

- 1.5, 3, 15 and 150 gallon kits.
- Larger volume packaging available upon request only as the mix ratio is not typical of most two-component coatings.

Suggested Storage:

- Store in a temperature and weather controlled area between 65° F and 85° F.
- Do not allow to freeze.
- Shelf Life 1 year in original unopened containers.