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TD.467 – TECHNICAL DATA: E100-PT3™ Waterborne Clear Epoxy

Revised: 8/31/2023 Version: 1.8

Product Name: E100-PT3™ Waterborne Clear Epoxy

Product Class: A high performance, high gloss sealer/coating for protecting concrete and applicable resinous coatings. Having '0' VOC allows for application indoors without sacrificing performance commonly found only in solvent based sealers.

Description: E100-PT3[™] is engineered for coating concrete or resinous surfaces as a primer (rising damp resist or PH resistant to 94%), base coat, body coat or topcoat. Excellent wear and scratch resistant finish provides high gloss. This product has a tack free time of 4.5 hours and supports foot traffic in as little as 8 hours. Self priming directly to dry or damp concrete surfaces.

Typical Uses:

- Sealing and protecting concrete.
- Eliminate "eye release" blemishes in resinous coatings.
- RH resistance up to 94% (expecting 97% once outside testing is completed).
- On dry concrete surfaces, concrete overlays and applicable resinous coatings.
- Concrete surfaces for foot traffic and vehicular pneumatic tires.

Key Features:

- High-Gloss, Non-Blush Film
- Nearly No Odor
- 65% Solids (0% VOC)
- Non-Shrink Coating
- Self Leveling and Air Releasing
- Low Viscosity

Product Properties:

Material and curing conditions at 77°F (24° C) unless noted, 50% R.H.

- Color: white (dries clear)
 - Viscosity @ 77⁰F (24° C)
 - Part A: 600 cps
 - Part B: 300 cps
 - Mixed: 400 cps
- Pot Life: 1 hour

- Fast Cure Rate
- Excellent Strength Properties
- Excellent Impact Resistance
- Easy to Place
- USDA and FDA Acceptable
- Convenient pre-engineered packaging

Standard Cure

- Tack Free: 5 hours
- Foot Traffic: 8 hours
- All Traffic: 24 hours
- Consistency: Semi self-leveling

(@77°F (24° C), 7-day ambient cure)	
SOLIDS BY VOLUME	65%
RECOMMENDED FILM THICKNESS	5-7 MILLS
COVERAGE PER GALLON	250-300 SQUARE FEET PER GALLON
PACKAGING	1.5 GALLON UNITS, 3 GALLON UNITS
MIX RATIO (PRE-PACKAGED)	PART A (0.703 GALLON), PART B (0.297 GALLON)
SHELF LIFE	1 YEAR IN UNOPENED CONTAINERS
FINISH	(>60 @60° DEGREES @Erichsen glossmeter)
ABRASION RESISTANCE CS 17 WHEEL, 1000 GM LOAD, 500 CYCLES	40MG
IMPACT RESISTANCE	GARDNER IMPACT, DIRECT =50 IN. LB. (PASSED)
FLEXIBILITY	NO CRACKS OR DEFECTS ON 1/8 ' MANDREL
ADHESION	450 PSI @ ELCOMETER (CONCRETE FAILURE)
VOLATILE ORGANIC CONTENT	0.0 GM/L (MIXED)
DOT (TRANSPORTATION) CLASSIFICATION	NOT REGULATED

Physical Properties

<u>Chemical Resistance</u> Splash & Spill Applications	
Water (fresh and Salt)	Butanol
1%-50% Sodium Hydroxide	Xylene
1%-10% Sulfuric Acid	111 Trichloroethane
1%-10% HCL	Skydrol Fluids

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.

Available Packaging:

- 3 gal. kit
- 15 gal. kit

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend b use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability on fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven dams is replacement of our materials and in o event shall we be liable for incidental or consequential damages.