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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 @ 77°F (24° C)
  - o Part A: 600 cps
  - Part B: 300 cpsMixed: 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 hoursFoot Traffic: 8 hours

All Traffic: 24 hours

· Consistency: Semi self-leveling

# **Physical Properties**

(@77°F (24° C), 7-day ambient cure)

SOLIDS BY VOLUME

RECOMMENDED FILM THICKNESS

**COVERAGE PER GALLON** 

PACKAGING

MIX RATIO (PRE-PACKAGED)

SHELF LIFE

FINISH

ABRASION RESISTANCE CS 17 WHEEL, 1000 GM LOAD, 500 CYCLES

IMPACT RESISTANCE

FLEXIBILITY ADHESION

**VOLATILE ORGANIC CONTENT** 

DOT (TRANSPORTATION) CLASSIFICATION

5-7 MILLS 250-300 SQUARE FEET PER GALLON

1.5 GALLON UNITS, 3 GALLON UNITS

PART A (0.703 GALLON), PART B (0.297 GALLON)

1 YEAR IN UNOPENED CONTAINERS (>60 @60° DEGREES @Erichsen glossmeter)

40MG

GARDNER IMPACT, DIRECT =50 IN. LB. (PASSED) NO CRACKS OR DEFECTS ON 1/8 'MANDREL 450 PSI @ ELCOMETER (CONCRETE FAILURE)

0.0 GM/L (MIXED)

NOT REGULATED

### <u>Chemical Resistance</u> Splash & Spill Applications

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

Butanol Xylene 111 Trichloroethane 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 to use our products for. Nothing herein shall constitute any warranty expressed or implication including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we liable for incidental or consequential damages.

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