

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

### 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)
  - Part A: 600 cps
  - Part B: 300 cps
  - Mixed: 400 cps
- Pot Life: 1 hour
- Tack Free: 5 hours
- Foot Traffic: 8 hours
- All Traffic: 24 hours
- Consistency: Semi self-leveling

### Standard Cure

### Physical Properties

(@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

### Chemical Resistance Splash & Spill Applications

<b>Water (fresh and Salt)</b>	<b>Butanol</b>
<b>1%-50% Sodium Hydroxide</b>	<b>Xylene</b>
<b>1%-10% Sulfuric Acid</b>	<b>111 Trichloroethane</b>
<b>1%-10% HCL</b>	<b>Skydrol Fluids</b>

### 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