

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

Revised: 2.12.15

Product Name: E100-PT3™ Waterborne Clear Epoxy

Product Class: A high performance hi gloss sealer/coating for protecting concrete and decorative concrete finishes. 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 surfaces. Excellent wear and scratch resistant finish provides high gloss and is waterproof. 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 and polymer modified concrete overlays.
- On dry concrete surfaces and concrete overlays.
- 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.)

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| <ul style="list-style-type: none"> • Color – white (dries clear) • Viscosity @ 77°F (24° C) <ul style="list-style-type: none"> o Part A 600 cps o Part B 300 cps o Mixed 400 cps • Pot Life: 1 hour | <p style="text-align: center;"><u>Standard Cure</u></p> <ul style="list-style-type: none"> • Tack Free: 5 hours • Foot Traffic: 8 hours • All Traffic: 24 hours • Consistency: Semi self-leveling |
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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

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

Available Packaging:

- 1 gal. kit
- 3 gal. kit

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.