

TD.460 – TECHNICAL DATA: E100-PT3™ Clear Waterborne Epoxy

Revised: 4.1.10

Product Name: E100-PT3™ Clear Waterborne Epoxy

Product Class: A high performance, high gloss epoxy coating/sealer for protecting concrete and decorative concrete finishes. Having only 0.80 VOC and virtually no odor allows for applications indoors without sacrificing performance commonly found only in solvent based sealers..

DESCRIPTION: E100-PT3™ Clear Waterborne Epoxy has been designed for coating and sealing; concrete floors, decorative concrete floors, stained concrete floors among other concrete surfaces. Excellent wear and scratch resistant finish provides a high gloss finish. This product has a tack free time of 4 to 5 hours and supports foot traffic in as little as 7 to 8 hours. Self priming directly to dry concrete surfaces.

Typical Uses:

- Sealing and protecting interior concrete and polymer modified concrete overlays.
- On dry interior concrete surfaces and concrete overlays.
- Concrete surfaces for foot traffic and vehicular pneumatic tires.
- As a clear protective coating for interior flooring, polymer modified concrete overlays and industrial floors.

Key Features:

- High-Gloss, Non-Blush Film
- Nearly No Odor
- 48% Solids (0% VOC)
- Non-Shrink Coating
- Semi Self Leveling and Air Releasing
- Low Viscosity
- Fast Cure Rate
- Pre proportioned in prepackaged containers for ease of mixing
- High Coverage Rate at 250 to 300 sq. ft. per gallon
- Excellent Strength Properties
- Excellent Impact Resistance
- Easy to Place
- USDA 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)
 - o Part A 600 cps
 - o Part B 300 cps
 - o Mixed 400 cps
- Pot Life: 1 hour
- Tack Free: 4 to 5 hours
- Foot Traffic: 7 to 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	48%
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	0.80 GM/L (MIXED)
DOT (TRANSPORTATION) CLASSIFICATION	NOT REGULATED

CHEMICAL RESISTANCE

Splash & Spill Applications

Water (fresh and Salt)	1%-10% acetic acid
1%-10% Sodium Hydroxide	1%-10% HCL
1%-10% Sulfuric Acid	Gasoline

Available Packaging:

- 1.5 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.