

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

Revised: 3/15/21 Version: 1.1

Product Class: A high performance, high gloss sealer/coating for protecting concrete. Designed for fast return to service and one-day flooring systems.

Description: E100-PT3™ is engineered for coating and priming concrete surfaces and has excellent wear and scratch resistant properties which provides high gloss and is water spot resistant. E100-PT3™ has a tack free time of 1-2 hours (75°F / 24° C, 50% RH) and supports foot traffic in as little as 2+ hours. E100-PT3™ is self-priming direct to dry or damp concrete surfaces, can be applied at temperatures as low as 50° F / 10° C, and in high humidity environments.

Typical Uses:

- Sealing and protecting polymer modified concrete overlays.
- Priming on dry or damp concrete surfaces and concrete overlays.
- Concrete surfaces for foot traffic and vehicular tires.
- Can be pigmented for use in line striping.
- Can be top coated with approved products.

Key Features:

- High-gloss, non-bush film
- Gloss improves with multiple coats
- Negligible odor
- 0% VOC
- Non-shrink coating
- Low viscosity
- Fast cure rate
- Fast return to service
- Easy to place
- USDA and CFIA compliant
- Improved UV resistance
- Free of solvent and nonyl phenol

Product Properties: Material and curing conditions at 75° F / 24° C unless noted, 50% R.H.

- Color: white (dries clear)
- Viscosity @ 75° F / 24° C
 - Part A: <25 cps
 - Part B: 2,500 cps
 - Mixed: 250 cps
- Pot life: 45-60 minutes
- Tack free/re-coat time: 1-2 hours @ 75°F / 24° C
- Light foot traffic: 2+ hours
- All traffic: 4+ hours

Physical Properties

Adhesion		
Dry concrete	ASTM D7234	425 psi (Elcometer 106/6 - concrete failure)
Green concrete, 7 days	ASTM D7234	>425 psi (concrete failure)
Volatile organic content		0 g/L
Shore D Hardness	ASTM D2240	72 (7 days)
Pencil Hardness	ASTM D3363	2H
Coefficient of friction (static)	ASTM F609	> 0.8 (test sensor – Neolite)

Stain & Chemical Resistance - Splash & Spill Applications

Water (fresh and salt)	Butanol
1%-50% Sodium Hydroxide	Xylene
1%-10% Sulfuric Acid	111 Trichloroethane
1%-10% HCL	Acetone
Ethanol	Skydrol fluids

Coverage Rate: Note: Do not dilute with water.

- Wet film thickness: 4-8 mils
- 200-400 sq. ft. per gallon
- Mix ratio: 2:1 A:B

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F / 18° C and 85° F / 29° C.
- Do not allow to freeze – product cannot be reconditioned.
- Shelf Life: 1 year in original unopened containers

Available Packaging:

- 3 gal. kit