

TD.463 – TECHNICAL DATA: E100-PT4™ Pigmented Epoxy

Revised: 1.22.16

Product Name: E100-PT4™ Pigmented Epoxy – 100% Solids Epoxy – available in 15 standard colors

Product Class: A high-build or thin, pigmented epoxy floor coating for commercial and industrial traffic use.

Description: E100-PT4™ Pigmented Epoxy is a 100% solids, pigmented, non-shrink, two-component epoxy base and top coat system designed for a wide variety of applications. E100-PT4™ Pigmented Epoxy will not blush or water spot, and exhibits excellent physical and chemical resistant properties.

Typical Uses:

- Sealing and protecting concrete.
- Broadcast coating for industrial flooring.
- Binder for epoxy mortar and slurry coats.
- Dry concrete surfaces and concrete overlays.
- Concrete surfaces for foot traffic and vehicular pneumatic tires.
- As a base coat for REFLECTOR™ Enhancer Flooring Systems.
- Used in many of the HERMETIC™ Flooring Systems.

Key Features:

- High-Gloss, Non-Blush Film
- Nearly No Odor
- 100% Solids (0% VOC)
- Non-Shrink Coating
- Self Leveling and Air Releasing
- Excellent Physical and Chemical resistant Properties
- Excellent Impact Resistance
- Easy to Place
- Use Neat, "Orange Peel", Slurry, Broadcast or as Binder for Mortar
- USDA Acceptable
- Convenient 2 to 1 ratio by volume

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 – Clear • Viscosity @ 77°F (24° C) <ul style="list-style-type: none"> ○ Part A 1800 cps ○ Part B 375 cps ○ Mixed 950 cps • Pot Life: 25 minutes (standard set) 15 minutes (fast set) | <ul style="list-style-type: none"> • Tack Free: 7 to 8 hours • Foot Traffic: 9 to 10 hours • All Traffic: + 12 hours • Consistency - Self-Leveling | <table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Standard Cure</u></td> <td style="text-align: center;"><u>Fast Set</u></td> </tr> <tr> <td></td> <td style="text-align: center;">7 to 8 hours</td> <td style="text-align: center;">4 to 5 hours</td> </tr> <tr> <td></td> <td style="text-align: center;">9 to 10 hours</td> <td style="text-align: center;">5 to 6 hours</td> </tr> <tr> <td></td> <td style="text-align: center;">+ 12 hours</td> <td style="text-align: center;">+ 8 hours</td> </tr> </table> | | <u>Standard Cure</u> | <u>Fast Set</u> | | 7 to 8 hours | 4 to 5 hours | | 9 to 10 hours | 5 to 6 hours | | + 12 hours | + 8 hours |
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PHYSICAL PROPERTIES

(@77°F (24° C), 7 day ambient cure)

Compressive Strength	ASTM D 695	10,200 psi NEET
Tensile Strength	ASTM D 638	3,000, psi
Elongation at Break	ASTM D 638	6.00%
Flexural Strength	ASTM D 790	4,500 psi
Abrasion Resistance		
CS-17 Wheel, 1 kg load	ASTM 4060	20 mg loss
Water Absorption (2 hour boil)	ASTM D 570	0.16%
Shore D Hardness	ASTM D 2240	76-83 (7 days)
Heat Distortion Temperature	ASTM D 648	120°F
Volatile Organic Content		0.00 lbs. per gallon
Slant Shear	ASTM C 882	100% concrete failure

CHEMICAL RESISTANCE

Splash & Spill Applications

<p>Water (fresh and Salt) 1%-50% Sodium Hydroxide 1%-75% Sulfuric Acid 1%-10% HCL</p>	<p>Butanol Xylene 111 Trichloroethane Skydrol Fluids</p>
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Available Packaging:

- 1.5 gal. kit
- 3 gal. kit
- 15 gal. kit
- 150 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.