

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

Revised: 4.12.08

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

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

Description: Elite Crete Systems product 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, self priming to damp or dry concrete substrates, exhibiting excellent physical and chemical resistant properties.

Typical Uses:

- Sealing and protecting concrete
- Broadcast coating for industrial flooring.
- Binder for epoxy mortar...
- Dry concrete surfaces and concrete overlays.
- Concrete surfaces for foot traffic and vehicular pneumatic tires.
- As a protective coating for interior flooring, polymer modified concrete overlays and industrial floors.
- As a pigmented protective finish for garage floors, warehouses, medical facilities, etc.

Key Features:

- High-Gloss, Non-Blush Film
- Nearly No Odor
- 100% Solids (0% VOC)
- Non-Shrink Coating
- Self Leveling and Air Releasing
- Bonds to damp concrete
- Excellent Physical and Chemical resistant Properties
- Excellent Impact Resistance
- Easy to Place
- Use Neat, 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.)

- Color – Clear
- Viscosity @ 77°F (24° C)
 - Part A 1800 cps
 - Part B 375 cps
 - Mixed 950 cps
- Pot Life: 25 minutes
- Tack Free: 5 hours
- Foot Traffic: 8 hours
- All Traffic: 12 hours
- Consistency - Self-Leveling

PHYSICAL PROPERTIES

(@77°F (24° C), 7 day ambient cure)

Compressive Strength	ASTM D 695	9,500 psi
Tensile Strength	ASTM D 638	7,700, 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	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

Water (fresh and Salt)	Butanol
1%-50% Sodium Hydroxide	Xylene
1%-75% Sulfuric Acid	111 Trichloroethane
1%-10% HCL	Skydrol Fluids

Available Packaging:

- 1 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.