

**TD.465 – TECHNICAL DATA: E100-PT1™-UBC Epoxy**

Revised: 11/7/2023 Version: 1.9

**Description:**

E100-PT1™-UBC is a clear, two-component, 100% solids epoxy. VOC free. Self-leveling. For use as underlayment or base coat only. Not recommended for use as a top coat. Not UV stable. Not a vapor barrier. 75 to 82% max RH (test prior to application). Can be tinted in the field (with approved pigments only). 8 to 10 hour cure schedule for recoat. For quicker cure, see E100-PT1™-FTS.

**Typical Uses:**

- Base coat for broadcasting approved media
- Sealing cracks in concrete
- Binder for epoxy mortars and slurry coats
- Sealing and protecting concrete

**Key Features:**

- High strength
- Bonds to dry or slightly damp concrete
- USDA, FDA, & CFIA compliant
- Low Viscosity

**Physical Properties**

@ 73° F / 23° C, 50% R.H.

Gel time:	ASTM C881	24 minutes
Color (mixed)		Clear
Consistency		Flowable
Compressive strength	ASTM D695	12,000 psi
Compressive modulus	ASTM D695	>380,000 psi
Absorption	ASTM D570	0.15%
Heat deflection temperature	ASTM D638	135° F / 57° C
Elongation @ break	ASTM D638	3.5%
Reaction to fire	EN 13501-1:2018	B <sub>FL</sub> – s1

**Viscosity:**

Part A: 2,380 cps  
Part B: 105 cps  
Mixed: 695 cps

**Mix ratio:**

2 Parts A to 1 Part B by volume

**Cure schedule: 73° F / 23° C**

Pot life: 13 minutes  
Tack free: 6-8 hours  
Foot traffic: 24 hours  
Full cure: 72 hours  
Water spot resistance: 48 hours

**Available in:**

3 gal, 15 gal, and 150 gal kits

**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.
- Shelf Life: 1 year from date of manufacture.