

TD.465 – TECHNICAL DATA: E100-UL7™ Underlayment Epoxy

Revised: 3/15/21 Version: 1.2

Description:

E100-UL7™ is a two-component, 100% solids, underlayment epoxy floor coating for commercial and industrial use. E100-UL7™ is a clear epoxy resin designed for use as a cost-effective base coat for broadcast flooring, sealing concrete, binder for epoxy mortars, and crack treatment adhesive. Available in clear only or can be pigmented in the field with special powdered or liquid pigment.

Uses:

- Base coat for broadcasts
- Sealing cracks in concrete
- Binder for epoxy mortars and slurry coats
- Sealing and protecting concrete

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 _{FL} – s1

Viscosity:

Part A: 2,300 cps
 Part B: 100 cps
 Mixed: 700 cps

Mix ratio:

2 Parts A to 1 Part B by volume

Cure schedule: 73° F / 23° C

Pot life: 12 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, & 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 in original unopened containers.

