

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

Revised: 1.21.16

Product Name: E100-UL7™ Underlayment Epoxy – 100% Solids Epoxy

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

Description: E100-UL7™ underlayment epoxy is a 100% solids, USDA acceptable clear epoxy resin designed for use as an inexpensive base coat for broadcast flooring, sealing concrete, binder for epoxy mortars, crack repair adhesive. Convenient mix ratio of 2 to 1 (A to B). Available in clear only but can be pigmented in the field with special powdered or liquid pigment.

USES:

- Base coat 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
- High strength
- Low Viscosity

Physical Properties

| Property | Test Standard | Result |
|-----------------------------|---------------|--|
| Mix Ratio: | | 2 to 1 by volume |
| Gel Time: | ASTM C-881 | 24 minutes |
| Color (mixed) | | Clear |
| Consistency | | Flowable |
| Compressive Strength | ASTM D-695 | 12,000 psi |
| Compressive Modulus | ASTM D-695 | >380,000 psi |
| Concrete bond Strength | ASTM C-882 | 1,000 psi 24 hours 3,500 psi 7 days |
| Absorption | ASTM D-570 | 0.15% |
| Heat Deflection Temperature | ASTM D-638 | 135 F |
| Elongation @ break | ASTM D-638 | 3.5% |
| Viscosity | | |
| Part A Resin | | 900 cps |
| Part B Hardener | | 400 cps |
| Mixed | | 700 cps |

Mix Ratio
 2 parts A to 1 Part B by volume

Cure Schedule: 73°F (23°C)
 Pot Life: 24 minutes (200gm Mass)
 Recoat: 12 hours
 Foot traffic: 14 hours
 Full cure: 16 hours
 Water spot resistance: 48 hours

Available in:
 3 gal. kits
 15 gal. kits
 150 gal. kits