

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