

TD.622 – TECHNICAL DATA: E100-FS4™ Flexible Epoxy Base Coat

Revised: 1/8/20

Product Name: E100-FS4™ Flexible Epoxy Base Coat

Product Class: A two-component epoxy base coat.

Product Description: E100-FS4™ is 100% solids, medium viscosity, pigmented epoxy coating specifically designed for severe traffic surface in parking garages, ramps, and turns where high abrasion and wear is anticipated. As a primer/base coat and wear coat over stable wood substrate where slight movement is anticipated. Bonds to slightly damp concrete and is not adversely affected by high humidity.

Uses:

- Non-skid flooring for severe traffic areas where discoloration is acceptable.
- Primer/base coat for stable wood substrates (must be top coated).
- Binder for expansion joint nosings.
- Control joint sealant.

Features:

- Good chemical resistance.
- Bonds to dry or damp concrete.
- Not effected by high humidity conditions.
- Easy to use, 1 to 1 ratio by volume.

Viscosity: @ 73°F

Part A: 600 cps
 Part B: 900 cps
 Mixed: 650 cps

CURE SCHEDULE: @ 75F (24C)

Pot Life: 15 minutes
 Tack Fee: 6 to 8 hours
 Full traffic: + 24 hours

Mix Ratio: 1 Part A to 1 Part B by Volume

Coverage: Varies. Contact a technical representative

Pre proportioned for reliable engineered consistency

Physical Properties

| | | |
|--------------------------------|-------------|----------------------|
| Compressive Strength | ASTM D 695 | 7500 psi |
| Tensile Strength | ASTM D 638 | 3000 psi |
| Elongation at break | ASTM D 638 | 48% |
| Flexural Strength | ASTM D 790 | 2500 psi |
| Abrasion resistance | | |
| CS-17 Wheel, 1 kg load | ASTM 4060 | 10 mg loss |
| Water Absorption (2-hour boil) | ASTM D 570 | 0.3% |
| Shore D hardness | ASTM D 2240 | 64 |
| Heat Distortion Temperature | ASTM D 648 | 130 F |
| Volatile Organic Content | | 0.00 lbs. per gallon |

Chemical Resistance

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

Consult with an Elite Crete Systems Technical Representative for assistance in using or specifying this product.