

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

Revised: 1.21.16

**Product Name:** E100-FS4™ Flexible Epoxy Base Coat

**Product Class:** A two-component epoxy base coat.

**Product Description:** E100-FS4™ is a 100% solids, medium viscosity, pigmented epoxy coating specifically designed for severe traffic surface in parking garages, ramp 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 effected 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**

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

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