

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

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.