

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

Revised: 11/7/2023 Version: 1.6

Product Description:

E100-FS4™ is a two-component, 100% solids, medium viscosity, pigmented epoxy coating specifically designed for heavy 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.

Typical Uses:

- Non-skid flooring for heavy traffic areas.
- Primer/base coat for stable wood substrates (must be top coated).
- Binder for expansion joint nosings.
- Control joint sealant.
- USDA and CFIA compliant.

Key Features:

- Good chemical resistance.
- Bonds to dry or damp concrete.
- Not effected by high humidity conditions.

Viscosity: @ 73° F / 23° C

Part A: 1,000 cps

Part B: 1,800 cps

Mixed: 1,300 cps

Cure schedule: @ 73° F / 23° C

Tack free: 6 to 8 hours

Full traffic: 24+ hours

Pot life: 15 minutes

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

Coverage: Varies. Contact a technical representative

Physical Properties

@ 73° F / 23° C, 50% R.H.

Compressive strength	ASTM D695	7,500 psi
Tensile strength	ASTM D638	3,000 psi
Elongation at break	ASTM D638	48%
Flexural strength	ASTM D790	2,500 psi
Abrasion resistance CS-17 Wheel, 1 kg load	ASTM 4060	10 mg loss
Water absorption (2-hour boil)	ASTM D570	0.3%
Shore D hardness	ASTM D2240	64
Heat distortion temperature	ASTM D648	130° F / 54° C
Volatile organic content		0 g/L
Reaction to fire	EN 13501-1:2018	B _{FL} – s1

Chemical Resistance

Splash and spill applications

Water (fresh and salt)	Butanol
1%-50% Sodium Hydroxide	Xylene
1%-10% Sulfuric Acid	111 Trichloroethane
1%-10% HCL	Skydrol fluids
	Gasoline

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

Suggested Storage:

- Store in a temperature and weather-controlled area between 65° F / 18° C and 85° F / 29° C.
- Do not allow to freeze.
- Shelf Life: 1 year from date of manufacture.