

TD.487 – TECHNICAL DATA: E100-FSC™ Flexible Sewer Coating

Revised: 4.1.10

Product Name: E100-FSC™ Flexible Sewer Coating

DESCRIPTION: Elite Crete Systems E100-FSC™ is a 100% solids, medium viscosity, clear epoxy coating system designed for concrete sewer protection. Flexible sewer coating is resistant to sewer gasses and many other corrosive reagents in similar environments. Bonds to damp concrete and is not effected by high humidity. Non corrosive and will not harm the environment. For chemical resistant applications two coats are recommended.

TYPICAL USES:

- Sewer coating for concrete and steel
- Primer for epoxy mortars
- Chemical protection for many reagents
- Can be used in enclosed environments

FEATURES:

- Highly chemical resistant
- Convenient pre proportioned mix ratio
- Bonds to damp concrete
- No effect in high humidity

VISCOSITY: @ 73 F

Part A	1200 cps
Part B	400 cps
Mixed	650 cps

CURE SCHEDULE: @ 75F (24C)

- Pot Life: 30 minutes
- Tack Fee: 12 hours
- Cured for chemical immersion 7 days

MIX RATIO: 60% Part A to 40% Part B by Volume

Pre proportioned packaging for reliable engineered consistency

PHYSICAL PROPERTIES

Compressive Strength	ASTM D 695	6500 psi
Tensile Strength	ASTM D 638	3100 psi
Elongation at break	ASTM D 638	29%
Flexural Strength	ASTM D 790	4500 psi
Abrasion resistance		
CS-17 Wheel, 1 kg load	ASTM 4060	30 mg loss
Water Absorption (2 hour boil)	ASTM D 570	0.09%
Shore D hardness	ASTM D 2240	72
Heat Distortion Temperature	ASTM D 648	130
Volatile Organic Content		0.00 lbs. per gallon
COVERAGE: BRUSH AND ROLLER		80-150 SQ FT 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

Available Packaging:

- 1 gal. kit
- 5 gal. kit
- 10 gal. kit
- 100 gal. kit

Suggested Storage:

- Store in a temperature and weather controlled area between 65° F and 85° F.
- Do not allow to freeze.
- Shelf Life - 1 year in original unopened containers.