

TD.499 – TECHNICAL DATA: E100-PC2™ Coal Tar Epoxy

Revised: 3/16/2023 Version: 1.3

Description:

E100-PC2™ Coal Tar Epoxy is a 100% solids, modified coal tar epoxy coating designed to bond to asphalt, concrete, and steel surfaces.

NOTE: Asphalt must be 1 year or older before using coal tar epoxy to allow excess surface oil to dissipate.

Uses:

- Gravity filling horizontal cracks in dry or damp asphalt
- Broadcast coating for asphalt or concrete
- Binder for mortar for asphalt and concrete spalls

Features:

- Fast setting
- Bonds to asphalt and damp concrete
- Excellent impact resistance
- Non-skid parking garage coating

Physical Properties

(@77° F / 25° C, 50% R.H. 7-day ambient cure)

Mix ratio		1 to 1 by volume
Gel time	ASTM C881	15 minutes
Color (mixed)		Black
Consistency		Flowable
Compressive strength	ASTM D695	8,000 psi
Compressive modulus	ASTM D695	>290,000 psi
Concrete bond strength (5 hours)	ASTM C882	100% concrete failure
Water absorption (2-hour boil)	ASTM D570	0.09%
Heat deflection temperature	ASTM D638	125° F / 79° C
Elongation @ break	ASTM D638	21%
Viscosity		
Part A resin (clear)		700 cps
Part B hardener (black)		450 cps
Mixed (black)		600 cps

Coverage:

- Sealer: 200 to 250 sq. ft. per mixed gallon
- Broadcast coating: 80 sq. ft. per gallon base coat, 80 sq. ft. per mixed gallon top coat
- Mortar binder: 1 mixed gallon to 4 to 5 gallons 40 to 50 sieve dry silica sand 5.44 square feet @ 1-inch thickness
- Crack sealer: ¼ x 3 inch: 25.7 lineal feet per gallon

DOT classification: Refer to Safety Data Sheet (SDS)

Available Packaging:

- 2 gal and 10 gal kits

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 in original unopened containers.