

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

Revised: 1/8/20

Product Name: E100-PC2™ Coal Tar Epoxy

Description:

E100-PC2™ Coal Tar Epoxy is 100% solids, modified coal tar epoxy coating designed to bond to: asphalt, concrete, steel, and wood surfaces while providing a tenacious bond even in cold damp environments.

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
- Highway expansion joint nosing mortars

Features:

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

Physical Properties

<u>Property</u>	<u>Test Standard</u>	<u>Result</u>
Mix Ratio:		1 to 1 by volume
Gel Time:	ASTM C-881	15 minutes
Color (mixed)		Black only
Consistency		Flowable
Compressive Strength	ASTM D-695	8,000 psi
Compressive Modulus	ASTM D-695	>290,000 psi
Concrete bond Strength (5 hours)	ASTM C-882	100% concrete failure
Water Absorption (2-hour Boil)	ASTM D-570	0.09%
Heat Deflection Temperature	ASTM D-638	125 F
Elongation @ break	ASTM D-638	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 SDS – Safety Data Sheet

Available Packaging:

- 2-gal, 10-gal, and 100-gal kits

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.