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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

<u>Physical Properties</u> (@77° F / 25° C, 50% R.H. 7-day ambient cure)		
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: 1/4 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.

The information herein is general information to assist our customers in determining whether our products are suitable for their specific applications. Our products are intended for sale to commercial and industrial customers. We require that customers should inspect and test our products before use to satisfy themselves as to the contert and suitability for the applications they intend b use our products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability on fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in one ventral we be liable for incidental or consequential damages.