

OZONE EPO CT 300

A two component solvent free pitch extended epoxy resin coating system

DESCRIPTION

OZONE EPO CT 300 is a two-component solvent free, liquid epoxy resin modified with refined coal tar pitch. The superior adhesion and chemical resistance of the epoxy resin, in combination with the flexibility and water resistant qualities of pitch produce a system that will provide a high build, ultra dense coating to protect concrete, other cementitious substrates, and metal, against a wide range of aggressive media. In appearance, OZONE EPO CT 300 is smooth, glossy and black.

Advantages

- The coating will not support the growth of bacteria.
- No primer required.
- High build coating.
- Easy application: brush, roller, spray.
- Economical.
- Excellent chemical resistance to aqueous media.
- Non-solvented.
- Excellent broad spectrum chemical resistance.
- Abrasion resistant.
- Seamless finish.
- Pre-weighed components.
- Long term corrosion protection.

FIELD OF APPLICATION:

OZONE EPO CT 300 is used to provide a heavy duty protective, waterproof, and flexible coating. Uses include the lining of tanks, pipes and ducting, coating concrete, asbestos cement, steel pipes and non ferrous metals. OZONE EPO CT 300 is particularly suitable for use in sewerage work applications and in offshore or marine environments.

TECHNICAL DATA

COLOUR	Black
MIXING RATIO	4:1
Density (23°C/50% rel. Humidity)	1.4/Kg/dm ³
Viscosity (20 °C)	2000-2500
Pot life (20 °C)	90 minutes
Tack free time (20 °C)	6 Hours
Curing time	
Initial (20 °C)	24Hours
Final chemical(20 °C)	7 Days
Minimum subsurface temperature on the subsurface	10 °C
Coating Thickness	250-500 Micron
Adhesive tensile strength	Failure to concrete
Elongation at break	32%
STANDARDS	ANSI/ASTM: C881: Type III: Grade 2: Class C. BS 5493.

Packing

20Kg ,5 Kg Pack

COVERAGE

Coverage with no visible pinholes; apply in two coats at the rate of 0.3 ltr/m² to obtain a DFT of 300 microns. Minimum two coats required to obtain 150 micron each.

Chemical resistance

OZONE EPO CT 300 Cured coating is resistant to:

- Distilled water
- Brine
- Effluent
- Barnacle growth
- Sewage
- Exhaust gases
- Diluted acids and alkali
- Marine bacteria
- Salt solutions
- Potassium, Sodium

SURFACE PREPARATION

As with all epoxy resin systems, surface preparation has a direct effect on the performance and durability of the system. Surfaces to be coated should be sound, dimensionally stable, clean, and free from laitance, paint, oil, grease, mould release agent and residual curing compound. Concrete must be fully cured. Grit blasting, high pressure water jetting or mechanical scrubbing may be necessary to ensure full removal of cement laitance and deleterious matter. Metal surfaces should be prepared by blast cleaning preferably to SA2½. Blow holes, pin holes and other surface defects should be filled with Ozone EpofairFaced.

Application:

OZONE EPO CT 300 can be applied by brush short hair roller or airless spray.

Brush / roller application:

Apply the mixed material to a properly prepared substrate using a brush or short hair roller. The use of a painter's tray is essential to extend the pot life and correctly meter the material on to the brush or roller. Working well into the substrate to give complete

Cleaning

Remove OZONE EPO CT 300 from tools, and equipment whilst still wet using SOLVENT, No. 2. Cured resin will require mechanical removal.

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