EPKOTE ET140

Epoxy tar based coating for steel and concrete surfaces

IS : 14948

CM/L-7600185217

Description:

EPKOTE ET140 coating is based on solvent coal tar epoxy resins specially formulated to provide a durable coating suitable for application to both vertical and horizontal surfaces.

Uses:

- Provides protection to concrete and metal structures against corrosion from aggressive environments
- Tanks above ground or in totally submerged conditions such as pipelines
- In sewage works, effluent plants and dock and harbour installations

Advantages:

- Excellent resistance to all types of water
- Easily applied by brush or spray
- Provides long term corrosion protection
- No priming necessary in most cases
- Chemical and abrasion resistant
- Economic and versatile product

Product Standard Compliance:

- IS 14948:2001

Company Standard Compliance:

Technical Information:

Properties	Specification
Mixed Appearance	Black Color Liquid
Finish	Smooth & Uniform
Drying Time (Hours) a) Surface Dry b) Hard Dry	 Max. 4 Max. 16
Flexiability & Adhesion	Paint film shall not show signs of cracking or loss of adhesion
Impact Test Paint System	Paint system, comprising of 3 coats, shall not show signs of cracking, flaking or detachment fromthe panel or loss of adhesion between coats
Dry film thicknes, (microns/per coat)	125 ± 10
Volume Solids (%)	Min 64.0
Gel time (Hours)	Max 40

Flash Point (°C)	Not below 25
Pot life (Hours)	Min. 8
Resistance to Corrosion	The paint film shall not show blistering and break-down and protect the substrate against corrosion
Resistance to sea water under cathodic protection condhions	To pass the test

Application Procedure:
Surface Preparation:

- Clean all surfaces and remove any dust, unsound material, plaster, oil, paint, grease, corrosion deposits or algae. Roughen the surfaces, remove any laitance and expose the aggregate by light scrabbling or grit-blasting.

Priming:

- New concrete should be allowed to cure for at least 28 days prior to priming. Steel surfaces should be shot blasted to a profile.
  Before mixing, the contents of each can should be thoroughly stirred to disperse any settlement which may have taken place during storage.

Mixing:

- The entire contents of the smaller hardener can should be poured into the base container and the materials thoroughly mixed for at least 3 minutes.

Application:

- The mixed EPKOTE ET140 shall be applied to the dry, prepared substrate making sure a continuous film is achieved using a standard paint brush, good quality lamb's wool roller or spray equipment. The optimum dry film thickness of 100 microns is achieved in two coats.

Limitations:
Minimum application temperature: 15°C
Maximum application temperature: 40°C

Cleaning:
Tools and equipment should be cleaned with Redwop Sol immediately after use.

Coverage:
EPKOTE ET140: 5 kgs covers approx 35 m2per coat at a WFT of 100 microns.
However, practical coverage depends on the nature and porosity of the substrate and application conditions

Packaging:
EPKOTE ET140 is supplied in 30kg pack. (22.5 kg Base :7.5 kg Hardener)

Storage & Shelf-life:
Shelf life is 12 months in unopened packs stored at room temperature i.e.27°C the liquid component must not be allowed to freeze and store in cool and dry places.

Health & Safety:
Some people are sensitive to epoxy resin and coal tar products and may develop dermatitis on skin contact. Gloves and barrier creams should be used when handling cleaning SOLs and EPKOTE ET140. If contact with the skin occurs, wash with soap and copious amounts of water. Solvent shall not be used. Direct contact with the eyes will cause irritation and may cause serious damage if left untreated. Any eye contamination should be washed thoroughly with plenty of water and immediate medical treatment sought. The use of goggles when mixing is recommended. Smoking to be avoided.

REDWOP CHEMICALS PVT. LTD.
Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat 360005 India
info.redwop@gmail.com http://redwop.net 9724655551 ☎ 0281 2576664