

Estotect CT 450

Pitch Extended Epoxy Resin Coating

Description

Estotect CT 450 is a two-part pitch extended epoxy coating, which is able to provide a protection coating to concrete and metal structures against corrosion from aggressive environments.

It is suitable for tanks above or under ground conditions, such as pipe linings. It is highly recommended for sewage works, effluent plants and dock and harbour installations.

Uses

Estotect CT 450 is particularly useful as a protection system to concrete or metal surface, such as:

- Sewerage treatment plant
- Manhole
- Under ground pipe lining
- Effluent plants
- Dock & harbour structure

Advantages

- High build in single applications
- Heavy duty corrosion protection system
- Easily application can be by brush or spray
- No priming necessary in most cases
- Chemical and abrasion resistant

Standards Compliance

- ASTM B117
- ASTM D4541
- ASTM G154
- BS EN ISO 6272-2
- DIN1048

Physical Properties

| | |
|---|--|
| Specific Gravity, kg/L | 1.2 – 1.4 |
| Solid Content, % | 70 ± 2 |
| Colour | Black / Brown |
| Number of Coat | 2 |
| Pot Life at 25°C, mins | 60 – 90 |
| Touch dry at 25 °C, hrs | 12 |
| Recoating Time, hrs | |
| Min | 12 |
| Max | 24 |
| Recommended Thickness / coat, micron | Approx. 200 - 250 (WFT) |
| Salt Spray Resistance ASTM B117 | No blistering, no cracking and no detachment observed |
| Pull-Off Strength, N/mm ² ASTM D4541 | > 2.0 |
| Impact Resistance Test, kg-cm BS EN ISO 6272-2 | 65 max. |
| Water Penetration, mm DIN 1048 Pt5:1991 | 0 |
| Chemical Resistant of a fully cured coat | Seawater Ground water Sewage water & gases Distilled water Exhaust Mineral oils and fats Salt solutions Barnacles and organic growths |

Application Instructions

Surface preparation

Substrate shall be clean and free from laitance, loose particles and previous coatings. It can be prepare blast cleaning, water jetting and acid etching, wire brushing or grinding.

For steel substrates, it is ideally to blast cleaning to SA2½.

Application

The two parts of **Estotect CT 450** shall be mix thoroughly until it obtained a homogeneous mixture, with a slow speed mixer.

Estotect CT 450 can be applied by brush or spray to give a uniform thickness. Faster rates of application are possible using airless spray equipment. It is recommended to apply in two coats system to achieve dry film thickness of 350 micron to 400 micron.

ESTOTECT CT 450 SHALL NOT BE ADDED WITH WATER.

Cleaning

Tools, etc can be cleaned while the resin is still uncured with solvent cleaner.

Packing & Size

| | |
|------------------------|---------------|
| Estotect CT 450 | 5 litre pack |
| | 20 litre pack |

Coverage

| | |
|------------------------|---|
| Estotect CT 450 | 3.0 – 3.5 m ² / litre / coat |
|------------------------|---|

Technical Support

Estop offers a comprehensive range of high performance, high quality of repair product for both new and existing concrete surfaces. In addition, the company offers a technical support package to specifies, end-users and contractors, as well as on-site technical assistance.

Storage

Estotect CT 450 should be stored on pallets in cool dry conditions. Under these conditions, the product will have a shelf life of 12 months.

If stored in extreme heat locations the shelf life may be reduced.

Precaution

Estotect CT 450 contains epoxy resins, which may cause skin sensitization in certain individuals. Avoid skin contact wear rubber or plastic gloves during application.

Ensure good ventilation.

Additional Information

Estop manufactures and offers a wide range of complementary products, which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spalled concrete are available.

Important Note

Estop products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Estop endeavors to ensure that any advice, recommendation, specification or information in may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.