

Estotect CT 450(i)

High Solid Epoxy corrosion Protective Coating and Lining for Concrete and Metal

Description

Estotect CT 450(i) is a two components surface tolerant high solid modified 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 underground conditions, such as pipe linings. It is highly recommended for sewage works, effluent plants and dock and harbor installations

Uses

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

- Sewage treatment plant
- Manhole
- Underground pipe lining
- Effluent plants
- Dock & harbor structure

Advantages

- High build in single applications.
- Excellent corrosion resistant and good flexibility.
- Easily application can be by brush or spray.
- Self priming surface tolerant, no priming necessary in most cases.
- Resistance to splash of wide range of chemicals.
- Resistant to high humidity and moisture.

Standards Compliance

- BS 5493

Physical Properties

Specific Gravity, kg/L	1.30
Solid content, %	80
Color	Semi gloss black
Pot life at 32°C	2 hours
Touch dry at 32°C	3 hours
Recoating time	Min. 7 hours Max. 3 months
Recommended thickness	300-900 micron (dry)
Temperature resistant	90°C (continuous) 150°C (intermittent)
VOC, g/L	168
Chemical resistance of fully cured coat	Seawater Ground water Sewage water & gases Distilled water Exhaust Mineral oils and fats Salt solutions

Application Instruction

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 SA2 ½.

Application

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

Estotect CT 450(i) 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 minimum two coats system to achieve dry film thickness of 350 micron to 400 micron.

ESTOTECT CT 450(i) 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(i)	20 liter pack
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Coverage

Estotect CT 450(i)	2m ² /liter @ 2 coats
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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(i) should be stored on pallets in cool dry conditions. Under these consitions, 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(i) 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.