

# Estotect CT Power AC

Epoxy based protection coating 95% sulfuric acid tolerate

## Description

**Estotect CT Power AC** is a specially formulated epoxy-based protection coating with exceptional chemical resistant – anti acid and high abrasion resistance.

**Estotect CT Power AC** can be applied in wide range of surface condition that need to protects. Seamless, dense, and compact application of **Estotect CT Power AC** gives a great waterproofing property.

## Uses

Area of Application Includes:

- Internal area of concrete, steel or any other substrate that contain a certain chemical
- Internal area of water treatment with concrete, steel or any other substrate
- Waste water treatment surface
- Chemically exposed substrate surface
- Potable Water container
- Battery Plant.
- Chemically-severe exposed substrate surface.

## Advantages

- Tolerating 95% Sulfuric Acid without softening, blistering, and peeling.
- Non-toxic, Solvent-free, Odorless
- No primer needed, excellent adhesion to wide range of surface
- Moisture persistent, well-cured in high moisture condition, even when condensation occurred.
- Great abrasion resistant.
- Great chemical resistant

## Properties

Form	Viscous Colored Liquid (A) Yellowish Transparent Liquid (B)
Color	Blue
Density, g/mL mix	1.10 +/- 0.05
Mixing Ratio	4:1
Pot Life at 25°C	Within 3 hours
Drying Time at 25°C	Within 6 hours
Curing Time at 25°C	Within 15 hours
Service Temperature	-5 - 100°C
Solid Content	100 %
Thickness	1.0 - 3.0 mm

## Chemical Resistance

The fully cured coating is resistant to the following chemicals:

- Sulfuric acid 98%
- Hydrochloric acid 10% & 37%
- Saturated calcium hydroxide
- Sodium hydroxide 20%
- Nitric acid 20%
- Acetic acid 10%
- Hydrogen peroxide
- Sea water
- Vegetable oil

## Instruction of Use

### 1. Surface Preparation

- New Concrete  
Substrate should be sound and free from contamination such as oil and grease, mortar and paint splashes or curing compound residues. The concrete must be aged 28 days, moisture content must be less than 6%, should not contain water repellent agent. Excessive laitance can be removed by the use of mechanical methods.

- Old Concrete

Substrate moisture is max 6%, should not contain water repellent agent, Oil and grease penetration should be removed by the use of a proprietary chemical degreaser or by hot compressed air treatment. Any damaged areas or surface irregularities should be repaired using one of the Epoxy Putty

- Steel

Blasting should be conducted to achieve SS 2 1/2 or SSPC SP-10 standard surface profile. The substrate must be free from oil, grease, dust, or any other contamination that would affect bond strength.

2. Excessive dust, debris, and other contaminant material should be removed using high pressure blower or industrial vacuum cleaner.

3. Mixing

Mix thoroughly **Estotect CT Power AC** Part A and Part B

using medium speed (300 — 500 RPM) mixer with spiral-shaped steel stirrer for 3 minutes to achieve consistent quality and color.

4. Placing

- 1<sup>st</sup> Coat, Apply thoroughly onto surface using brush, roller squeegee, or airless-spray application depends on application condition
- 2<sup>nd</sup> Coat, can be placed when 1<sup>st</sup> coat initial curing already achieved. Apply thoroughly onto surface of 1<sup>st</sup> coat using brush, roller squeegee, or airless-spray application depends on application condition

### Cleaning

Tools and equipment just can be clean with acetone or suitable thinner immediately after use. Cured product only can be removed using mechanical action.

### Packaging

15 Kg per sets consist of :

- 10 Kg per Pail of Part A
- 5 Kg per Pail of Part B

1 <sup>st</sup> coat : 0,2 kg/ m <sup>2</sup> 150 microns thickness consumption
2 <sup>nd</sup> coat : 1,2 – 3,6 kg/ m <sup>2</sup> for 1 – 3 mm thickness consumption

### Storage

Store in the dry conditions between 5 - 30 °C. Put away from sources of heat and naked flames in the original, unopened packs. If stored at high temperatures the shelf life may be reduced.

### Shelf Life

12 months in an unopened and undamaged packaging.

### Safety Measure

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

### Disposal

Spillage of products should be absorbed on to earth, sand or other inert material and transferred to a suitable vessel. Disposal of such spillages or empty packaging should be in accordance with local waste disposal regulations. For further information, refer to the Product Material Safety Data Sheet.

## 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.*