

# Polypoxy CT

## Bitumen Modified Epoxy Coating

### CHARACTERISTICS

- ▶ Excellent chloride & sulphate resistance
- ▶ High build coating, no primer required
- ▶ Excellent long term corrosion protection
- ▶ Abrasion resistant
- ▶ Seam less finish
- ▶ Easy to apply – can be applied by brush, roller or spray.
- ▶ Economical



### DESCRIPTION

Polypoxy CT is a two component bitumen modified liquid epoxy resin coating. Polypoxy CT is a high build, dense, coating designed to protect concrete and metal structures.

### FIELDS OF APPLICATION

To provide protection to concrete and metal structures such as:-

- concrete foundation
- steel pipes & ferrous metals
- off shore and marine structures

### APPLICATION INSTRUCTIONS

#### Surface preparation

Surface to be coated with Polypoxy CT should be structurally sound, dimensionally stable, clean and free from laitance, oil or any other contaminants. Grit blasting is recommended for complete removal of deleterious materials and other contaminants which will affect the adhesion from the substrate.

#### Mixing

Mix part A and part B separately for a minute and then transfer Part B (reactor) to Part A (base) and mix thoroughly for 2 –3 minutes to get a uniform homogenous consistency. Use a slow speed electric drill with a proprietary mixing paddle.

#### Application

Polypoxy CT can be applied by brush, short hair roller or airless spray. Apply the mixed material to a properly



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prepared substrate to achieve a uniform coating with minimum wet film thickness of 200 microns. Subsequent coats shall be applied after the coating achieves its initial cure.

### COVERAGE

4m<sup>2</sup>/lt./coat will give a Dry Film Thickness of 200 micron.

### CLEANING

Clean all equipments with Polysolvent immediately after use. Hardened materials can be removed mechanically only.

### STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. In tropical climates, store in air condition rooms. The shelf life is up to 6 months in un-opened conditions and if stored as per recommendations. excessive exposure to sunlight, humidity and UV will result in the deterioration of the quality of the product and reduce its shelf life.

### HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves

and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. ensure the container is available for the medical attendant to examine any relevant instructions and contents details. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling.

### SUPPLY

Polypoxy CT	20 lt. kit
Polysolvent	5 lt. & 20 lt. pail

### TECHNICAL SPECIFICATION

PROPERTIES	VALUES
Appearance	Black
Mixed Density, [g/cc]	1.2±0.05
Pot life @ 25°C [mins]	60
Pull out strength, [n/mm <sup>2</sup> ]	>1.5
Tack free time [hrs]	2
initial cure	
@ standard conditions [hrs]	24
Full cure	
@ standard conditions [days]	7
Water permeability	
@ 5 bar pressure, [mm]	nil
Over coating interval, @ 25°C, [hrs]	24

All values given are subject to 5-10% tolerance

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.