



**Non Toxic**

**Food Grade Epoxy Coating**

Technical Data Sheet  
Edition 01/2013  
Number 407

### **Epo-Coat WT**

**Non toxic, food grade, solvent-free, high build epoxy base protective coating for water reservoirs**

#### **Description**

**Epo-Coat WT** is a non toxic solvent free high build epoxy resin protective coating which provides a chemical resistant surface for concrete and steel. It is supplied as a 100% solid, solvent free, two component system comprising a pigmented base and hardener.

**Epo-Coat WT** requires only on site mixing, and is applied as decorative as well as a chemical resistant coating.

#### **Application**

1. Internal Protection of concrete or metallic storage tanks.
2. Chemical resistant floor and wall coating for manholes, sewerage lines, manufacturing units, breweries, etc.
3. Decorative and protective coating in laboratories, refineries, power stations, hospitals, desalination plants and other liquid containment areas.
4. For coating in oil refineries, paper mills, power station, garages, sugar refineries etc.
5. For internal waterproof treatment of water tanks, reservoirs

#### **Advantage**

Highly Chemical resistant  
Non toxic  
Easy Application, can be applied by brush or roller  
Solvent free  
Water proof and protective coating  
High build Coating  
Hygienic and easy to clean

### Technical Properties

|                  |  |
|------------------|--|
| Specific gravity | 1.6 @ 35°C                                   |
| Colours          | Grey, white, blue (other colours on request) |
| Pot life @ 35°C  | 30 minutes                                   |
| Tack free time   | 6 hours @ 35°C                               |
| Initial curing   | 12 hours @ 35°C                              |
| Final curing     | 4 days @ 35°C                                |

### Coverage

2 sqm / ltr @ 300 micron wet film thickness

### Chemical resistance

**Epo-Coat WT** is resistant to following Alkalis, acids and other chemicals.

|                   |              |
|-------------------|--------------|
| Sulphuric acid    | 50% solution |
| Hydrochloric acid | 50% solution |
| Lactic acid       | 10% solution |
| Nitric acid       | 10% solution |
| Sodium Hydroxide  | 50% solution |
| Diesel oil        | 50% solution |
| Battery water     | 50% solution |
| Fuels             | 50% solution |
| Vegetable oil     | 50% solution |
| Formaldéhyde      | 40% solution |
| Aviation fuel     | 40% solution |
| Sea water         | 40% solution |

### Application Procedure

#### 1.Surface preparation

New concrete surface to be treated must be 28 days old. The concrete should be sound and any cracks, pot holes to be repaired with **Epoxy mortar** or **Comapct-All base repair mortars** system and allowed to cure. The surface should be free from dust, dirt, curing compound and laitance. Clean the surface with CA Cleaner and wash with water. Before application of **Epo-Coat WT** make sure that the surface is absolutely dry.



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## **2. Priming (ask our technical team)**

Prime the prepared surface with **Epo-Prime** and allow drying.

## **3. Mixing**

Mix part A(resin) and part B (hardener)separately for 1 minute using a slow speed drill fitted with a paddle. Then add Part B into Part A and mix thoroughly for 2-3 minutes to achieve uniform consistency. Apply immediately after mixing.

## **4. Application**

**Epo-Coat WT** may be applied by brush, squeegee, roller or industrial sprayer. After application the coating must be back rolled to reduce surface irregularities and improve bonding.

## **5. Cleaning**

Clean all equipments with Xylene, Xylol or Toluene.

## **Packing**

Available in 5 kg kit.

## **Storage**

Store under cover, out of direct sunlight and protect from extreme temperatures. In tropical climates the produce must be stored in air-conditioned environment.

**Shelf life** is up to 12 months when stored as per recommendations.

## **HEALTH AND 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.