



## HIND COAT CTM



### PRODUCT DATA SHEET

#### COAL TAR MODIFIED EPOXY RESIN BASED ANTI-CORROSIVE COATING

##### DESCRIPTION

**Hind Coat CTM** is a two component Coal Tar modified coating, based on low solvent epoxy resin modified with coal tar and reactive hardener. It is black in color used to protect steel, concrete structures, timber and other construction materials in corrosive environment. After complete curing, it forms a hard, abrasion and impact resistant impermeable film to protect water penetration. It has excellent adhesion to the applied surface and is highly anti-corrosive. It protects the structures from chlorides, sulphates and other subsoil contaminants.

##### USES

**Hind Coat CTM** is recommended as a coating material for protection of Tanks, Piping (concrete, steel), Underground Structures, Cooling Towers, Foundation walls and sumps. Submerged Structures, Concrete and Steel surfaces in sewage treatment plant, Sheet Piling, Chemical Plants, Crude oil storage tanks, Paper Mills, Dams, Barrage gates, Penstocks etc.

##### ADVANTAGES

**Hind Coat CTM** is manufactured and packed in pre-measured two separate components (Comp A & B) in a convenient ratio of 1:1, eliminating the need of weighment at site during mixing.

- Excellent resistance to water, sea water, diluted acid & alkalis, neutral salt, mineral and fatty acid.
- High abrasion and mechanical resistance.
- Extra ordinary Bond & Adhesive strength.
- Resistant to microbic and mild chemicals.
- Can be applied over moist & damp surface.

##### SURFACE PREPARATION

###### Concrete

The concrete surface over which the coating is to be applied should be free from Oils, Grease, algae, fungus or any loose particles and laitance. Any cracks or cavities if happens to be there should be filled and necessary repairing of any structural defect should be rectified and leveled to a smooth finish before application of coating. Mechanical grinding or other suitable preparation is recommended for obtaining best results on concrete. Compressed air is used to remove residual dust or use brush to remove dust completely.

###### Steel

Steel surface, which are to receive coating should be prepared by sand blasting or power tool or mechanical cleaning to a commercial grey metal finish. If prepared surface is contaminated by moisture or other contaminants, they should be re-blasted. Use suitable Epoxy Primer if required. We recommend use of **Hind ERS 21 P** as primer.

##### MIXING

**Hind Coat CTM** coating system is supplied in two components in the ratio of 1:1. Component A to be stirred thoroughly before adding it with Component B. For best result, use a variable speed drill mixer with a spiral type blade at the bottom stirrer rod. The speed may be 400 – 600 rpm.

Place the spiral blade at the bottom of the container before starting the mixer. This will help avoiding induction air into the mass slowly move the stirrer head up to the surface while stirring. Do not remove the blade while still it is spinning. This procedure is continued for 3-4 minutes up and down to have a homogenous mixing. Allow the combined mix to sit for an induction time of 3-4 minutes for entrapped air if any to escape while mixing before application.

## APPLICATION

For best results, apply two coats of **Hind Coat CTM** by brush, roller or spray. First coat should be allowed to dry tack free before application of second coat. The second coat should be applied with freshly mixed material in the same proportion and manner while the under coat is tackless. (Normally 6-10 hours at 27° C).

## IMPORTANT NOTE

- Not recommended for drinking water tank or plant, food processing unit, stables etc.
- Precise and efficient smooth surface preparation is essential to achieve the superior adhesive qualities and economic consumption.
- Mix only sufficient quantities of component - 'A' & 'B' for immediate requirement. Use all material within pot life.
- The pot life depends upon the temperature and quantities mixed. Higher the temperature, lower the pot life and recoating time and vice-versa.

## PACKING

**Hind Coat CTM** is available in 20 Kg. and 40 Kg. packing. (Comp A & CompB)

## SHELF LIFE

Best before 12 months from the date of manufacture. Should be stored in a cool and dry place away from direct sunlight at temperature ranging between 2<sup>0</sup> C (Min.) and 50<sup>0</sup> C (Max.).

## PROPERTIES

Color	Black
Mix Ratio ( Comp A : Comp B)	1:1 or 3:1
Coverage	Approx 4.0-5.0 Sq. Mtr per Kg (on concrete) Approx 5.0-6.0 Sq. Mtr per Kg (on steel)
Dry Film Thickness	150-170 microns
Pot Life at 27 <sup>0</sup> C	>3 hours
Application Temperature	Min. 12 <sup>0</sup> C
Thickness (2 Coats)	Approx 300-350 microns
Cleaning of Tools	Clean tools and tackles with MEK or any standard solvent before hardening of mixed material.
Recommended Coating.	Normally two coats are recommended. To ensure extended durability & abrasion resistant three coats are recommended.

## HANDLING PRECAUTION

**Hind Coat CTM** is non-toxic but ingestion is to be avoided. Any splashes to the skin must be washed with water. If contact with eyes occurs, wash well immediately with water and seek medical advice.

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### Note:

- **Hindcon Chemicals** maintains a team of technically trained professionals to provide full support to your problems in construction, and recommend the correct product to suite your specific requirements. Our authorized applicators can attend your site for application of the products.
- The content of the Technical datasheet are for general information and guideline. The result shown here are generated from our laboratory or from our site experiences.
- Quality of our products are maintained as per ISO9001:2008 recommendations and continuous researches. The behavior can change as per the prevailing conditions at the time of applications.
- Since **HINDCON CHEMICALS LIMITED** has no control over the use to which the users may put the material, it does not claim or warrant that in the user's particular circumstances, the result that the user will obtain from the product will be the same as those described in this communication or that the user will find the information or recommendations complete, accurate or useful. The client must test and ascertain the safety and fitness for the product for use.
- The right to change the properties of the products is reserved with us. The proprietary rights of third parties must be observed. All orders are accepted subject to the terms of sale and delivery. Users must always refer to the most recent issue of the latest Data Sheet for the product concerned, copies of which will be supplied on request.

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