



## HIND COAT FC

### PRODUCT DATA SHEET

#### CHEMICAL RESISTANT HIGH BUILD EPOXY COATING

##### DESCRIPTION

**Hind Coat FC** is a Solvent less high build epoxy resin coating which provides long term protection to concrete and mild steel substrates against chemical corrosion. It has high resistance to abrasion and makes the floor surface dust free. The cured surface is hard, smooth and gives a glazed tile like finish. It is joint less and will not support bacterial growth. It has excellent resistance to abrasion and is easily cleaned and sterilized.

##### USES

- Solvent free and durable coating.
- Excellent adhesions.
- Can be easily applied by brush or roller.
- Seamless application.
- It has excellent resistance to abrasion.

##### AREA OF APPLICATION

For long term protection of concrete and mild steel substrates against erosion and chemical attack. It is recommended for areas subjected to foot traffic and wheel barrows with pneumatic wheel.

##### APPLICATION

- Floors and walls where bacteria free surfaces are required such as: Hospital, Nursing home.
- Food processing areas.
- Tea fermentation floor.
- Computer room & Laboratories.
- Work shop floor in contact with oil, grease etc.
- Factory floor subjected to chemical spillage.
- Loading bays.
- Dust free and chemical resistant floor in electrical and electronic assembly areas and warehouses.
- For lining effluent tanks, chemical storage tanks etc.
- Chemical resistant floors, walls of battery rooms and chemical industries etc.
- Available in attractive range of colors.

##### APPLICATION METHODOLOGY

**Hind Coat FC** will have excellent adhesion to the substrate if the surface is sound, free of dust, grease, oil etc. Concrete surface must be even and free of pot holes. Remove all laitance by abrading or wire brushing. Remove all the dust from the surface. If the surface is contaminated by oil or grease, wash with dilute Hydrochloric acid. Wash the floor with clean water till the surface is free from acid. Allow to dry before **Hind Coat FC** is applied (Consult our Technical Service Department for advice).

##### PRIMING

All surface should be primed using Hind Coat Prime @ 250 gm./M<sup>2</sup>. Allow the primer to dry for 4-6 hours till it is touch dry. Mix primer Component A&B thoroughly and apply.

## COATING

Mix together **Hind Coat FC** Component A&B thoroughly using a pallet knife or an electrical drill mixer till a homogeneous uniform color is obtained. Unmixed material will not cure properly and will fail in performance. After the primer has dried, apply Hind Coat –FC by brush or roller to the required thickness. **Hind Coat FC** is a high build coating. A thickness of 250 micron can be applied in one application. But it is advisable to apply two coats at right angle to each other. This way any blemishes in the first coat will get covered by the second coat. Allow first coat to become tack free before second coat is applied.

## RECOMMENDED THICKNESS

Thickness will depend on the condition of the surface and on the type of use. In general thickness varies from 150 microns to 350 microns.

## CHEMICAL RESISTANCE

Acetic Acid	10%
Ammonium Hydroxide	25%
Caustic Soda	50%
Citric Acid	10%
Lactic Acid	10%
Phosphoric Acid	25%
Hydrochloric Acid	35%
Nitric Acid	5%
Sulphuric Acid	10%

Fruit Juices, Beer, Wine, Crude Oil, Petrol. Prolonged Contact will affect the flooring.

## PROPERTIES

Pot Life	45 minutes at 27 <sup>0</sup> C
<b>Mixing Ratio</b>	<b>Pack A – 2(Two) Parts : Pack B – 1(one) Part</b>
Tack Free Time	About 4-6 hours at 27 <sup>0</sup> C
Initial Cure	24 hours at 27 <sup>0</sup> C
Full Cure	7 days at 27 <sup>0</sup> C
Over Coating Time	24 hours

All floors which are subjected to spillage of corrosive chemicals, the spillage should be removed immediately by washing with water.

## COLOUR RANGE

**Hind Coat FC** is available in six colors: Ivory, Brick red, Olive green, Light grey, Mid blue and Yellow. The shades below show approximate colors only. While every effort is made in manufacturing to maintain consistency of color, Exact Color matching between batches cannot be guaranteed.

## COVERAGE

The coverage will be 2.5 to 4 M<sup>2</sup> / Kg per coat.

## CLEANING

Clean all tools immediately after use with Xylene. Do not let the material to harden.

## PACKING

3& 6 Kg in Plastic Containers.

## 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.)

## HANDLING PECAUTION

**Hind Coat FC** is non-toxic. Any splashes to the skin or eyes must be washed with clean water immediately. Should be applied wearing gloves, care should be taken that it does not fall on eyes.

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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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