



## HIND FLC E

### PRODUCT DATA SHEET EPOXY FLOOR & WALL COATING

#### DESCRIPTION

**Hind FLC E** is a three component epoxy resin and amine curing system decorative, chemical resistant, dust proof floor and wall coating.

#### USES

**Hind FLC E** is extensively used as flooring and wall coating in Pharmaceuticals, Printing Industries, Food Processing Plants, Workshops, Tea Blending Plants, Chemical resistant linings to tanks and reservoirs etc.

#### ADVANTAGES

- Excellent chemical resistance.
- Completely dust proof and thus hygienic.
- Durable and hardwearing and of nil maintenance cost.
- Attractive and available in wide color range.

#### APPLICATION

##### Surface Preparation

**Concrete Surface:** The surface of application has to be sound and made free from all dust, dirt, loose & greasy materials and the moisture content of the surface has to be checked. The moisture content can be checked either by a Hygrometer or by an air tight polythene sheet to ensure that no moisture is accumulated in 24 hours.

**Metal Surface:** Any previous surface treatment should be removed to get back the original metal surface by means of sand blasting. If blasting is not possible descalling guns or rotary wire brush may be used to get the original metal surface. It should be noted that the surface should not get re-oxidised before coating with **Hind FLC E**.

**Mixing:** **Hind FLC E** is mixed in small batches taking 2 parts component 'A', 1 part component 'B' and 0.50 part of component 'C' taking their weights with a weighing machine. Pre weighted Component 'A' has to be poured in a mixing pot first and then component 'B' and 'C' are to be poured simultaneously and the mix is to be stirred very slowly. When the mix is uniform the paint has to be applied on the prepared surface with a good quality painting brush. The 2<sup>nd</sup>. Coat can be applied after drying of 1<sup>st</sup> coat at an interval of minimum 6 hours.

**Note:** Care should be taken that at the place of coating the air blow is minimized to prevent dust accumulation on wet coating.

#### PROPERTIES

Aspect	Comp 'A' - Clear Pale yellow liquid Comp 'B' - Water white liquid Comp 'C' - Color Paste.
Specific Gravity	1.1 at 27 <sup>o</sup> C
Mixing Ratio	2parts Comp-A: 1 part Comp-B : 0.5 parts Comp-C
Bonding Strength	2 to 2.5 N/ mm <sup>2</sup> in 7 days.
Compressive strength	35 N/ mm <sup>2</sup> in 24 hours
Chemical Resistance	Is not affected by a wide range of acids, alkalies, salts & oils.
Pot life	30 mins at 27 <sup>o</sup> C if not continuously stirred

## CLEANING

All tools and equipment should be cleaned with Xylene, Toluene or suitable solvent.

## COVERAGE

1 Kg of mixed **Hind FLC E** covers an area of 4 M<sup>2</sup> when painted on a smooth surface for a DFT of 100 micron in a single coat. The coverage of course is dependent on the surface porosity.

## SHELF LIFE

12 months from the date of manufacture if kept unopened and temperature around 30° C.

## PACKING

1.75 Kg. & 3.5 Kg. pack.

## HANDLING PRECAUTION

While working with **Hind FLC E**, the workmen should wear gloves and safety shoes, those who are very sensitive in handling epoxy products should also wear safety glasses and clothes.

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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 results shown here are generated from our laboratory or from our site experiences.
  - Qualities 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.
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