HIND CRETE PLUS WPM (E) RTU

PRODUCT DATA SHEET

HIGH PERFORMANCE ACRYLIC POLYMER BASED ELASTOMERIC CEMENTITIOUS WATERPROOFING COATING

DESCRIPTION

Hind Crete plus WPM (E) RTU is a two component non-toxic elastomeric waterproofing coating based on modified acrylic polymer conforming to ASTM C 836, ASTM D 638, ASTM D 4060 & ASTM D 4541.

USES

Hind Crete Plus WPM (E) RTU is used for surface waterproofing of roofs, toilets, basements, swimming pools, water tanks etc. for providing a water impermeable membrane which is highly flexible and ultra violet resistant. It is suitable for structures of all type even those in sea water/coastal environments.

ADVANTAGES

- Highly flexible and thus has a crack bridging property.
- Resistant to ultra violet ray of sun
- Non toxic and can be used for any kind of structures.
- Allows concrete to breath and enables any entrapped vapour to escape.
- Develops excellent bonding with building materials.
- Provides an excellent barrier coat against Carbon-dioxide, sulphate and chloride ions.
- It remains unaffected when applied within a wide range of temperatures.
- Unaffected when exposed to wide range of chemicals.
- Highly durable membrane and has a long functional life.

APPLICATION

Surface preparation

The surface should be cleaned from all loose materials, oil, grease, and washed properly. Any undulations, pot holes, wide cracks are to be properly mended with cement mortar and sufficiently cured. Before the application of Hind Crete Plus WPM (E) RTU it is to be ensured that there is no stagnant water on the surface.

Mixing

Component A (Liquid part) of Hind Crete Plus WPM (E) RTU is to be poured in a plastic bucket or metal container. Clean water as per the proportions shown in table below is to be added to it and mixed with a slow speed drill machine (500 rpm) fitted with a stirrer for a minute. Component B (Powder part) is now to be added gradually and mixed for 2-4 minutes. It has to be ensured that there is no lump formation while adding the powder part. After uniform mixing Hind Crete Plus WPM (E) RTU is to be applied immediately. It is advised not to mix more material at a time so that it can be used within the pot life of the mixed material. The mixed material must be stirred at intervals at the time of application to avoid settling down.

Ratio of Mixing

<table>
<thead>
<tr>
<th>Hind Crete Plus WPM (E) RTU Components</th>
<th>For Brush Application Pack Quantity</th>
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</thead>
<tbody>
<tr>
<td>Component A (Liquid Part)</td>
<td>5 Kg</td>
</tr>
<tr>
<td>Component B (Powder Part)</td>
<td>15 Kg</td>
</tr>
<tr>
<td>Water</td>
<td>3 Ltr.</td>
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</tbody>
</table>
Application Procedure

The mixed material to be applied with a short stiff brushes over moist or dampens surfaces. The substrate temperature at the time of application should not be below 10°C. In hot conditions when the temperature is more than 30°C, the substrate must be saturated with water before the application. Two coats of Hind Crete Plus WPM (E) RTU is recommended to achieve a 1 mm thickness of the coating. The second coat is to be applied only after the first coat gets touch dried. Surfaces/Area subject to heavy loads and Hydrostatic pressure 2mm thickness coating is recommended for best results. In order to protect the coating from getting damaged a screed cover is suggested. For better bonding with the screed cover sand can be broadcasted over the second coat when it is in green stage.

Drying Time
Within 4-6 hours at normal temperature. Tools and equipments to be cleaned with water immediately after use otherwise mechanical cleaning are to be done.

COVERAGE

The coverage depends on the texture and porosity of the surface and also on the required consistency. The approximate coverage for (1 mm thickness) brush application consistency is **15-25 Sq Mtr/ 20 Kg Pack.**

SHELF LIFE

6months from the date of manufacture in unopened condition. Should be stored in a cool and dry place away from direct sunlight.

PACKING

20 Kg Kit. Comp. A (Liquid Part) 5 Kg & Comp. B (Powder Part) 15 Kg

HANDLING PRECAUTIONS

Hind Crete Plus WPM (E) RTU is non toxic, prolonged skin contact should be avoided. In case of contact with eyes occurs wash with plenty of clean water and seek medical advice. The properties are based on laboratory conditions which may vary at site and in extreme weather conditions.

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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.

**HINDCON CHEMICALS LIMITED**
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