



HIND CRETE PLUS WPM (E)

PRODUCT DATA SHEET

HIGH PERFORMANCE ACRYLIC POLYMER BASED ELASTOMERIC WATERPROOFING COATING

DESCRIPTION

Hind Crete Plus WPM (E) is a single component highly flexible, non toxic elastomeric waterproofing coating based on modified acrylic polymer.

USES

Hind Crete Plus WPM (E) 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.

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.
- 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.
- Easy for recoating on existing surface coated with Hind Crete Plus

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)** it is to be ensured that there is no stagnant water on the surface.

After the preparation of surface **Hind Crete Plus WPM (E)** is applied in three coats.

In the 1st coat **Hind Crete Plus WPM (E)** is mixed with clean water in the ratio 1 : 1 (1 part **Hind Crete Plus WPM (E)** : 1 part clean water) and painted on the prepared surface with a flat paint brush @ 0.500 Kg / Sq. Mtr. of the diluted mixture.

When the 1st coat of diluted **Hind Crete Plus WPM (E)** is touch dry approximately after 4 hours of 1st coat, the 2nd coat of **Hind Crete Plus WPM (E)** is applied without any dilution on the surface with a paint brush @ 0.450 Kg / Sq. Mtr.

After a minimum time interval of 10 hours the third coat of **Hind Crete Plus WPM (E)** is applied without any dilution with a paint brush @ 0.250 Kg /Sq. Mtr.

CURING

A final air curing time of 48 hours is sufficient for complete curing of **Hind Crete Plus WPM (E)** .

COVERAGE

1.0 Kg /Sq. Mtr on a smooth surface in three coats for a Dry Film Thickness (DFT) of 1.0 - 1.20 mm .The coverage depend on the texture and porosity of the surface.

PROPERTIES

Solid Content (% age)	55- 57
Aspect	Milky White Liquid
Specific Gravity	1.2
Corrosion Resistance (pH)	>6
Hardness (Shore A)	80 (ASTM D 2240: 2002)
Tensile Strength (Mpa)	2.8 (ASTM D 412 :2002)
Elongation at break (%)	600 (ASTM D 412:2002)
UV Resistant (Accelerated)	Excellent, No failure (ASTM G 154 : 2000)
Weathering (1000 hours)	
Adhesion Strength , N/mm ²	0.9 (ASTM D4541:2002)
Water Vapour Transmission	19gm/m ² per day (ASTM E 96:2000)
Resistance to Fungus & Algae	No Growth (SS 345:1998)
Crack Bridging	* No cracks up to 2mm width * No cracks up to 1mm (10 cycles) (ASTM C 836:1995)
Rapid Chloride Permeability	Negligible (Almost Nil) (ASTM C 1202-97)
Water Permeability (depth of penetration at 5 bar pressure)	6 (BS EN 12390, Part 8:2000)

SHELF LIFE

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

PACKING

5 Kg, 20 Kg in HDPE Containers

HANDLING PRECAUTIONS

Hind Crete Plus WPM (E) 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.

Note: The properties are based on laboratory conditions which may vary at site and in extreme weather conditions.

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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