

HIND CRETE PLUS WPM

ACRYLIC POLYMER BASED CEMENTITIOUS COATING FOR WATER PROOFING.



DESCRIPTION

Hind Crete Plus WPM is an acrylic polymer based Cementitious coating and when used as recommended, combines with cement and fine sand to form an impermeable coating by blocking the capillaries and pores of the substrate of concrete. It is also UV resistant.

USES

Hind Crete Plus WPM is recommended for use in all structures that required to be waterproofed and protected against the ingress of moisture, like Roof / Terrace, Basements, Water tanks, Swimming pools, Retaining Walls, Bridge walls, Tunnels, Sewage tanks, Reservoirs, Dams, Dock Gates etc.

ADVANTAGES

- Excellent adhesion to most building material.
- Low permeability makes mortar or concrete waterproof.
- Imparts chemical resistance to substrate.
- Reduces or prevents salt penetration into concrete
- Non toxic and can be used in water tank

APPLICATION

Substrate must be sound, clean free from loose particles or laitance and preferably wire brushed. The surface to receive the coating is to be checked first, if there are any cracks. If any cracks exist, it has to be repaired with cement mortar admixed with **Hind Crete Plus WPM**. Undulation and depression to be repaired using **Hind Crete Plus WPM** modified mortar in the ratio (**1 Kg Cement: 1.50 Kg Silica Sand: 0.50 Kg Hind Crete Plus WPM**) and leveled to obtain even surface. The prepared surface must be thoroughly wetted with water and it has to be ensured that there is no standing water on the surface, before application of the coating.

COVERING CAPACITY

Mix Information	Slurry Coat
Hind Crete Plus WPM	1
Cement	2
Fine Sand	-
Consumption	700 gm/Sq. Mtr. for two coats

Note: For making Cement and Sand mortar in the ratio of 1:3/1:4/1:5/1:6, add 5-10% of Hind Crete Plus WPM by weight of cement for repair work maintaining W/C ratio between 0.3 to 0.4

PROPERTIES

Aspect	Milky White Liquid
Specific Gravity at 27°C	1.02± 0.02
Corrosion Resistance (pH)	> 6
Heat Resistance (ASTM C 1064-86)	Same as Concrete
Water Permeability (DIN 1048, P-5)	1.2 mm + 0.2
Tensile Strength (ASTM D 638)	2 N/mm ²

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Bond Strength	Concrete - $2\text{N/mm}^2 + 0.2$ Metal - $2\text{N/mm}^2 + 0.3$
Service Life	Same as Concrete
Volatile Organic Content (VOC)	51.4 gm/lit
Making Cement Sand Repair Mortar in the Ratio of 1:3/1:4/1:5/1:6	Add 5-10% of Hind Crete Plus WPM by weight of cement maintaining W/C ratio between 0.3 to 0.4

CURING

Over the coated surface, water is to be sprinkled after 6-10 hrs. Mild curing to be done after 24 hours of application. After 72 hours curing to be done vigorously and finally kept submerged in water for seven days.

Good results can be obtained if curing is carried on for further period of time.

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°C (Min.) and 50°C (Max.).

PACKING

500 gm, 1, 5, and 20 kg in HDPE container or as required.

HANDLING PRECAUTION

Hind Crete Plus-WPM is non-toxic and prolonged skin contact should to be avoided. In case of contact with eyes occurs wash with plenty of clean water and seek medical advice. Cleaning of tools is to be done with water.

IMPORTANT NOTICE :

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 behaviour 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.



✉ contactus@hindcon.com
☎ +91 33 24490839, 9830599113
☎ +91 33 24490849
📍 Kolkata, West Bengal, India

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