



HIND HYDRO SHIELD

PRODUCT DATA SHEET

SINGLE COMPONENT READY TO USE WATERPROOFING COATING

DESCRIPTION

Hind Hydro Shield is a high quality premium waterproofing coating based on Acrylic Co-Polymer Latex, that provides total water resistance to the coated surface. Based on the unique Hydrosshield Technology it is able to bridge cracks and covers the porous wall surface by forming a protective film on its application, thus preventing water seepage, dampness, carbonation and fungal attack. It builds a coating very tough for normal roof as well as side wall, which provides water protection for 10 years. It also possesses the property to reflect off sun rays falling on the coated surface, as a result the temperature is reduced by 5^o C.

USES

Hind Hydro Shield is used for providing a tough waterproofing coating on Roof surface and side wall and also to protect from solar heat.

ADVANTAGES

- Energy Saving, Cost Saving and Efficient
- Water tight Membrane
- Maintain an Attractive Appearance
- Non -Toxic, Non-Flammable
- Reinforced with polyfibre and is Non-yellowing
- Forms a High flexible latex base film which bridges hair line cracks
- High Solar Reflectivity, Temperature Reduction
- High Adhesion to concrete substrate resisting cracking and peel off
- Fungal Resistance

APPLICATION

Surface Preparation

- All new fresh plastered surfaces should be water cured for 12 weeks as per the curing time for new masonry surface.
- The surface to be thoroughly cleaned, free from all loose particles, dust, oil, grease, algae, fungi and previous applied flaking paints by means of wire brush followed by water jetting.
- Severely affected areas due to fungus and algae, application of a pre-treatment coat is recommended.
- Repair pot holes and minor cracks (5mm , 10mm & 20mm) according to the crack size, length and depth with crack repair mortar '**Hind Patch R**'.

Roof Application

- The roof surface and parapet wall should be cleaned properly as stated above. A priming coat based on **Hind Hydro Shield**, diluted with 30% water is to be applied by brush/roller on the dried surface followed by 2-3 coats application of **Hind Hydro Shield** without diluting with water.
- Achieving Dry Film Thickness (DFT) is very essential for waterproofing. It is therefore advised to achieve a forced coverage of **0.75 – 0.95 Sq. Mtr / Kg**. If forced coverage is not achieved and additional coat of **Hind Hydro Shield** is recommended to be applied.

Application on Side Wall

- The side wall should be properly cleaned as per our recommendation stated above.
- A priming coat based on **Hind Hydro Shield**, diluted with 30% water is to be applied by brush/roller.
- After the primed surface gets dried up apply 2-3 coats of **Hind Hydro Shield** at an interval of 6-8 hours.
- If recommended coverage is not achieved, additional coat is to be applied.

COVERAGE

Theoretical coverage	On Smooth Surface (Low porosity) 4-6 Sq. Mtr/ Kg/per coat
	On textured surfaces(Low porosity) 3-4 Sq. Mtr/Kg/per coat
Recommended Coats	One primer coat with 30% water dilution followed by 2-3 Coats to achieve desired Dry Film Thickness

Note: The coverage of **Hind Hydro Shield** will be dependent on surface texture and porosity. It is always recommended to perform coverage trial before finalizing the requirement of paint.

PROPERTIES

Base	Acrylic Co-Polymer Latex
Pigment	Light fast Non-Lead/Chrome
Gloss/Sheen Level	Mid Sheen
Solvent	Water
Flash Point	Non Flash (as per IS:101/1987, Part 1,Sec 6)
Volatile Organic Content (VOC)	White & bases 15-45gm/Litre
Stability of Thinned Paint	The thinned paint to be used within 24 hours after mixing.
Dry Film Thickness	100-200 microns at a coverage of 3.5- 4 Sq. Mtr/ Kg 120 microns on roof/terraces at a coverage of 0.75 - 0.95 Sq.Mtr / Kg.

SHELF LIFE

24 months from the date of manufacture in unopened condition and stored in a dry place away from direct sunlight protected from high temperature. In hot temperature conditions it should be stored in temperature-controlled environment i.e. Less than 30^o C

PACKING

Available in 1, 5, & 20 Kg. Container.

HANDLING PRECAUTION

Hind Hydro Shield is non-toxic and ingestion must be avoided. Any splashes to the skin happen, immediately wash with water. If contact with eyes occurs, immediately wash with water and seek medical advice.

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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