



HIND PLASTO GUARD

PRODUCT DATA SHEET

ALL PURPOSE ACRYLIC POLYMER BASED WATERPROOFING AND PROTECTIVE COATING

DESCRIPTION

Hind Plasto Guard is a single component, flexible, ultra violet and weather resistant waterproofing coating based on modified acrylic polymer. It also possesses the property to reflect the heat from the applied surface which results in producing a cooling effect. It can be applied to all exposed flat, sloped and vertical concrete, masonry and metal surfaces.

USES

Hind Plasto Guard is used for surface waterproofing and weather resistant coating for concrete flat, sloped roofs, parapet walls, basements, swimming pool, water bodies, RCC/Lime terraces/Asbestos, sunken portion of Toilets & Kitchen, Chajjas and on the exterior surface of PVC/Metal water tanks placed on roofs/balconies which allows to keep the temperature of the water inside the tank cooler to some extent.

ADVANTAGES

- Single Component hence easy to use
- Highly flexible and thus has a crack bridging property
- Easy and fast application with economical cost
- 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
- Does not allow fungal growth due to weathering action
- Environment friendly with a high diffusion resistance against CO₂
- Water based
- No protection screed is required under normal foot traffic condition.
- Against high wear & tear condition if expected it requires to be protected with a protective screed.

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

After the preparation of surface **Hind Plasto Guard** to be applied as first coat @ 0.2 Kg/m². For best result two coats are recommended.

Hind Plasto Guard can be applied along with **Hind Fiber Glass**, which is to be embedded between the first and second coat @ 0.7 to 1.0 Kg/m² per coat, depending on the porosity of the surface in green condition. When the second coat gets cured and become touch dry, a top coat (~ 0.3 Kg/m²) is applied to complete the application. The coated surface to be protected from rain until it gets completely dry.

COVERAGE

Without using Fibre Glass : 0.4 to 0.5 Kg/m² for two Coats which depends on the surface porosity.

Using Fibre Glass : 2 -2.5 Kg/m² which depends on the surface porosity.

Thickness of Coating without Hind Fiber Glass is 1.0 mm and **with Hind Fiber Glass** is 1.2 mm approx.

PROPERTIES

Aspect	Acrylic Dispersion, White/ Grey and various other colours
Solid Content	65%
Polymer Content	34.40%
Sp. Gravity at 27 ⁰ C	1.14 ± 0.02
Bond Strength ISO 4624	1.5 N/mm ²
Salt Spray resistance	Good
Water Permeability (IS 2645)	Passes
Moisture Permeability (IS 101)	Passes
Crack Bridging (ASTM C 1305-06)	2mm
Crack Resistance (IS101)	Passes the 3 mandrel
Workable Time	15 to 20 mins at 27 ⁰ C
Tack Free	25 -30 mins at 27 ⁰ C
Drying Time	2-3 hours depending upon the ambient temperature
Application Temperature	10 ⁰ C to +35 ⁰ C
Accelerated Weathering test 500 hours (IS 101)	No Cracking /Blistering

SHELF LIFE

Best before 12 months if it is in unopened condition. Should be stored in a cool dry place away from direct sunlight at a temperature ranging between 2⁰ C to 50⁰ C.

PACKING

1Kg, 5 Kg, 20 Kg & 50 Kg in HDPE Containers

HANDLING PRECAUTIONS

Hind Plasto Guard 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 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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