

HIND PLASTO GUARD

ALL-PURPOSE ACRYLIC POLYMER WATERPROOF & 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 CO_2 .
- 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 @ 0.2Kg/m^2 . 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/m^2 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 ($\sim 0.3\text{Kg/m}^2$) 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/m^2 for two Coats which depends on the surface porosity.
Using Fibre Glass : 2 - 2.5 Kg/m^2 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°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^2
Crack Resistance (IS101)	Passes the 3 mandrel
Workable Time	15 to 20 mins at 27°C
Tack Free	25-30 mins at 27°C
Drying Time	2-3 hours depending upon the ambient temperature
Application Temperature	10°C to $+35^\circ\text{C}$
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 2°C to 50°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.

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



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