

HIND ELASTO COAT

HIGH-PERFORMANCE ACRYLIC ELASTOMERIC WATERPROOFING COATING.



DESCRIPTION

Hind Elasto Coat is a single component highly flexible, non toxic elastomeric waterproofing coating based on modified acrylic polymer.

USES

Hind Elasto Coat 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 Elasto Coat it is to be ensured that there is no stagnant water on the surface.

After the preparation of surface **Hind Elasto Coat** is applied in three coats.

In the 1st coat **Hind Elasto Coat** is mixed with clean water in the ratio 1 : 1 (1 part **Hind Elasto Coat** : 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 Elasto Coat** is touch dry approximately after 4 hours of 1st coat, the 2nd coat of **Hind Elasto Coat** 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 Elasto Coat** 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 Elasto Coat**

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.

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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)
Solar Light Reflecting Index	125 (ASTM E1980)
UV Resistant (Accelerated)	Excellent, No failure (ASTM G 154 : 2000)
Weathering (1000 hours)	
Adhesion Strength , N/mm ²	0.9 (ASTM D 4541:2002)
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

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

5 Kg, 20 Kg in HDPE Containers.

HANDLING PRECAUTIONS

Hind Elasto Coat 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

IMPORTANT NOTICE :

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