



## HIND HYDRO PROOF

### PRODUCT DATA SHEET

#### APP MODIFIED ELASTO-POLYMERIC MEMBRANE WATERPROOFING SYSTEM

#### DESCRIPTION

**Hind Hydro Proof** range of waterproofing membranes are an elasto-plastomeric (APP- Atectic Poly Propylene) modified bitumen membrane having a dimensionally stable non-woven polyester / fiberglass carrier to obtain excellent waterproofing, heat resistant & cold temperature flexibility, high tensile strength, tear, puncture & UV resistance.

#### USES

- Waterproofing of flat roof surfaces.
- Waterproofing of slant roof.
- Waterproofing of tunnels.
- Waterproofing of roof gardens.
- Waterproofing of swimming pools.

#### TECHNICAL DATA

Product Name	Hind Hydro Proof (1 mm)	Hind Hydro Proof (P 160)	Hind Hydro Proof (P 180)	Hind Hydro Proof (P 160) W/Minerals	Hind Hydro Proof (FG 050)	Test Method
Roll size, mtrs. Thickness, mm Carrier Weight	20 x 1 1 mm 120 g/m <sup>2</sup> Non- Woven Polyester	10 x 1 2,3 & 4 160g/m <sup>2</sup> Polyester	10 x 1 2,3 & 4 180g/m <sup>2</sup> Polyester	10 x 1 2,3 & 4 180g/m <sup>2</sup> Polyester	10 x 1 2,3 & 4 50g/m <sup>2</sup> Polyester	ASTM D 146 ASTM D 146
Coating Asphalt	APP modified	APP modified	APP modified	APP modified	APP modified	ASTM D 36
Softening Point [R&B] °C	120 to 125	150	150	150	150	X
Penetration at 25°C, dmm	15 – 25	15 – 25	15 – 25	15 – 25	15 – 25	ASTM D 5
Tensile Strength [L/T] N/5cm	500/400	700/550	800/660	700/550	300/200	ASTM D 882
Elongation at break [L/T] %	40/40	40/50	40/50	40/50	2/3	ASTM D 882
Cold Flexibility °C	0° C	0 to - 5	0 to - 5	0 to -5	0 to -5	ASTM D 4586
Lap Joint Strength [L/T] N/5cm	X	>700/550	>800/660	>700/550	>300/200	ASTM D 882
Tear Resistance[L/T] N	100/110	150/170	180/200	150/170	55/70	ASTM D 4073
Resistance to water pressure	No Leakage	No Leakage	No Leakage	No Leakage	No Leakage	ASTM G 53
Water Absorption [%]	<0.15	<0.15	<0.15	<0.15	<0.15	ASTM D 5147

Heat Resistance At 100°C	No Flow	ASTM D 4586				
Resistance to ageing After 2000hrs.	No deterioration	ASTM D 4799				
<b>5-20% variation under tolerance limit as per ASTM standards</b>						

### ADVANTAGES

- 100% water impermeable membrane.
- Very easy application.
- Over lay is possible with desired finish.
- Application is very fast and time saving.

### APPLICATION PROCEDURE

**Hind Hydro Proof** is installed by torch bonding using a suitable gas torch. The substrate should be cleaned and primed with Hydro prime i.e. Bituminous Primer and allowed to dry. Then the Hind Hydro Proof is torched at the bottom while unrolling. The torching to be controlled to ensure only the PE film is melted and the asphalt coating is sufficiently softened to bond the membrane. The torch flame should be directed between the lower part of the roll and the substrate. Overlaps of 75 to 100 mm for side laps and 100 to 150 mm for end laps must be torched. All angles and abutments should be sealed with extra care to ensure full bondage. Seal the edges in to grooves and protect with suitable sealant.

### 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<sup>o</sup> C (Min.) and 35<sup>o</sup> C (Max.).

### PACKING

In rolls of 10 Metre Length

#### 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.

### HINDCON CHEMICALS LIMITED

(AN ISO 9001: 2015 COMPANY)

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