

HS Proshield SBS – SA 1.5



High Performance SBS Modified Self-Adhesive Membrane

Description

HS Proshield SBS - SA 1.5 is a self-adhesive waterproofing membrane consisting of self-adhesive SBS (Styrene Butadiene Styrene) modified / bitumen compound covered on the top side with high density cross - laminated polyethylene film and on the underside with an easy - to- peel silicon film.

Characteristics - Physical

Total Thickness, mm	1.5 / 2.0	Cold Flexibility, °C	-25
Adhesion to, N / mm		Service Temperature, °C	-40 / +80
• Primed Concrete	4.9	Vapour Transmission Rate, gm/m ² /hr, ASTM E-96	0.05
• Other Surfaces	5.2		

Characteristics - Technical

Property	Standard	Result
Compound Elongation, %	ASTM D-638	300
Puncture Resistance, N	ASTM E-154	260
Adhesion to, N / mm	ASTM D-1000	
• Primed Concrete		4.9
• Other Surfaces		5.2

Application

- Highly recommended for waterproofing / damp-proofing of vertical foundation / walls.
- Waterproofing of structural concrete and masonry walls, pitch roof split slab concrete construction, both above and below ground.
- Waterproofing of Insulated roofs, wet areas like bathrooms, kitchens etc., parking areas, balconies, terraces, windows, garages.
- Waterproofing in general at all such place where the use of fire is not possible or is prohibited.

Advantages

- Cold applied, does not require heat, chemical bonding agents or special tools.
- Easy and quick installation.
- Permanent flexibility and protection.
- Effective water and vapour barrier.
- Strong resistance to chemicals like chlorides, sulphates, alkalis, dilute acids, ozone and atmospheric pollutants.

Application Methodology

➤ Surface Preparation

- Remove all loose gravel, dirt, oil, grease and foreign matter by jet of dry air and clean the surface mechanically or by grinding to make it smooth before application.

➤ Application of Material

- Apply primer on the concrete substrate. Primer is not necessary for nonporous / non-absorbent surface.
- Place the membrane on the primed surface and remove the film by peeling of the release paper not more than 30 cms at a time, while unrolling **HS Proshield SBS - SA 1.5**.

- Press down the membrane from the middle to the outer edges. This will help to remove any entrapped air ensuring good adhesion to the substrate.
- **HS Proshield SBS - SA 1.5** should always be protected to avoid damage caused by other trades, backfilling equipments and materials. Screeds, toppings and tiles should be laid as soon as possible, preferably the same day the membrane is applied. Under no circumstances should the membrane be left exposed for extended period.

Health & Safety

- Avoid contact with skin / eyes and avoid swallowing.
- Ensure adequate ventilation and avoid inhalation of vapour.
- Wear suitable protective clothing, gloves and eye protection.
- In case of skin contact, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of eye contact, wash with plenty of clean water and seek medical advice.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Packing

Available in two widths of 1 m x 20 m Roll and 1.1 m x 20 m Roll.

Storage

Keep in cool and dry place under shed away from heat.

Shelf Life

12 months in original unopened sealed conditions

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SHIELD

SCIENTIFIC WATERPROOFING SOLUTIONS

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