

SELFDAN ISP2

Fleece Laminated Self-Adhesive SBS Modified Membrane

DESCRIPTION

SELFDAN ISP2 is fleece laminated self-adhesive SBS modified bituminous waterproofing sheet.

Composed of SBS modified bitumen mastic (self-adhesive) with an upper surface finish of a geo-textile (250gsm) used as reinforcement and protection layer and a lower surface finish of siliconized release film.

It conforms to the requirement of BS 8102.

ADVANTAGES

- Combined waterproofing and protection.
- Watertight - resistance to hydrostatic head of water.
- Crack Bridging properties due to high compound elongation - allows membrane to accommodate movements in the building structure.
- Excellent mechanical properties in all directions (tear strength, tensile strength, and puncture resistance) due to the heavy weight geo-textile on upper surface.
- Elastomeric and self-healing, minor perforation will automatically heal.
- Cold applied, easy and fast application, no torch or heating necessary.
- Total flexibility of the material to apply at complex geometries & perfect accommodation to the support.
- Excellent adhesion to the primed support.
- Controlled thickness during factory production ensuring constant error-free site application.
- High durability of the waterproofing due to the SBS elastomer compound of the membrane.

USES

SELFDAN ISP2 is use for the waterproofing, damp proofing and protection of underground walls (confined and non-confined), parking decks, wooden surfaces, substructures and inverted roofs under tiles.

PROPERTIES

Properties	Value	Standard
Thickness	2.2 ± 0.2 mm	-----
Watertightness @ 5 bar	Pass (No Leakage)	BS EN 12390 (Part 8)
Tensile Strength, Longitudinal	740 N/5cm (± 10 %)	ASTM D882
Tensile Strength, Transversal	500 N/5cm (± 10 %)	ASTM D882
Elongation at Break, Longitudinal	≥40 %	ASTM D882
Elongation at Break, Transversal	≥45 %	ASTM D882
Tear Strength, Longitudinal	360 N (± 10 %)	ASTM D1004
Tear Strength, Transversal	250 N (± 10 %)	ASTM D1004
Heat Resistance	80°C (No Flow)	ASTM D5147
Low Temperature Flexibility	≤ -15 °C (No Cracks)	ASTM D1970
Puncture Resistance	≥1100 N	ASTM E154
Adhesion with Primed Concrete	1.8 N/mm (± 10 %)	ASTM D1000
Softening Point of Coating Compound	105 ± 5 °C	ASTM D36
Penetration of Coating Compound @ 25°C	45 ± 5 dmm	ASTM D5

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

The surface receiving waterproofing treatment shall be dry with moisture content <4% and thoroughly cleaned to remove dirt, dust, moisture, grease, oil, foreign substances etc., using appropriate tools & methods.

SURFACE PRIMING

It is recommended to prime the surface using a bituminous primer **TIKI PRIME S @ 4 to 6 m²/ltr.**, prior to installation of membrane.

Primer should be dry before the application of the membrane. Drying time depends on ambient temperature and humidity.

APPLICATION

The membrane is bonded completely to the primed surface by peeling-off the release film from the membrane bottom and pressing it against the primed support using a suitable roller.

The membrane should be smoothed by applying pressure against support using a suitable roller from the centre to the edges towards outside in order to drive out entrapped air.

The membrane is supplied with a selvedge in longitudinal direction for overlapping the side seams. The release film is peeled off from the selvedge area and side seams overlapped and sealed due to bitumen to bitumen contact.

The end lap of 100 mm should be maintained properly at the time of application. The end laps shall be butt jointed with end laps of subsequent membrane using 200mm wide strip of double sided self-adhesive bituminous tape **SELDAN I-BIADHESIVE**.

The double sided self-adhesive bituminous tape shall be laid on the primed surface prior to installation of **SELDAN ISP2** and during membrane alignment.

During butt jointing of end laps, release film from top of double sided self-adhesive bitumen tape is removed exposing the self-adhesive bitumen and followed by laying of **SELDAN ISP2** membrane over the tape, overlapping the double sided tape by 100mm.

The end lap of subsequent membrane will then be overlapped with remaining 100mm of double sided self-adhesive bitumen tape ensuring formation of watertight seal.

IMPORTANT RECOMMENDATIONS

SELDAN ISP2 membrane should not be applied when temperature is below +10°C

The membrane after application should not be left exposed to sun for extended period to prevent U.V. rays damage.

On vertical surface, the membrane after installation should be protected immediately after application with HDPE dimple boards **DANODREN**.

On horizontal surface, the membrane after installation should be protected immediately with 50mm cement-sand screed.

SUPPLY

SELDAN ISP2 is supplied in standard roll sizes of 1m x 15m of 2.2mm thickness.

Presentation	Value	Unit
Length	15	m
Width	1	m
Roll Surface	15	m ²

STORAGE

This product is not-toxic and non-flammable. It must be stored in a dry place under the covered shed and protected from rain, sun, heat, U.V rays and low temperatures. It must be stored upright.

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