

Self-Adhesive SBS Membrane with Aluminium Surfacing

DESCRIPTION

SELFDAN IAL 100 is a cold applied self-adhesive flexible bituminous waterproofing and vapor barrier sheet with metallic self-protected surface.

Composed of self-adhesive elastomeric SBS polymer modified bitumen compound with an upper surface finish of solar reflective Aluminium film as protection layer and a lower surface of siliconized release film.

ADVANTAGES

- Good resistance to water and water vapour.
- Aluminium surfacing – excellent solar reflectance.
- Provides high solar reflectivity, reducing heat load on the roof membrane and potentially lowering air conditioning energy costs.
- U.V resistant.
- Elastic behaviour (good memory and recovery).
- Cold applied, easy and fast application, no torch is necessary.
- Good weather fastness, and corrosion resistance.
- 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

- Waterproofing in general on supports (concrete, metal, wood, cement reinforced sheets), where torch-on application is not possible.
- Waterproofing of pitch roofs.
- For flashing on up-stands.
- Waterproofing of inverted roofing systems.
- Vapour barrier on roofs and in cold storages.
- As a roofing underlayment.

PROPERTIES

Properties	Value	Standard
Thickness	1.5 ± 0.1 mm	-----
Hydrostatic Pressure Resistance @ 5 bar (50m)	Pass (No Leakage)	BS EN 12390 (Part 8)
Tensile Strength Longitudinal	≥2.2N/mm ²	ASTM D412
Tensile Strength Transversal	≥2 N/mm ²	ASTM D412
Elongation at Break Longitudinal	≥125 %	ASTM D412
Elongation at Break Transversal	≥125 %	ASTM D412
Tear Strength Longitudinal	≥10 N	ASTM D1004
Tear Strength Transversal	≥10 N	ASTM D1004
Heat Resistance @ 80°C	Pass, No Flow	ASTM D5147
Low Temperature Flexibility	≤ -15 °C (No Cracks)	ASTM D1970
Puncture Resistance	≥150 N	ASTM E154
Water Absorption @ 24 Hours	≤0.30 % by weight	ASTM D570
Softening Point of Coating Compound	105 ± 5 °C	ASTM D36
Penetration of Coating Compound @ 25°C	50 ± 5 dmm	ASTM D5

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

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

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

Primer should be dry before the application of 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 surface using suitable roller.

Side overlap of at least 75mm and end overlap of at least 100 mm should be maintained properly at the time of application, the overlap sealed by pressing it against the surface using suitable roller.

IMPORTANT RECOMMENDATIONS

SELDAN IAL 100 membrane should not be applied when temperature is below +10°C.

The membrane being U.V resistant, does not require protection layer.

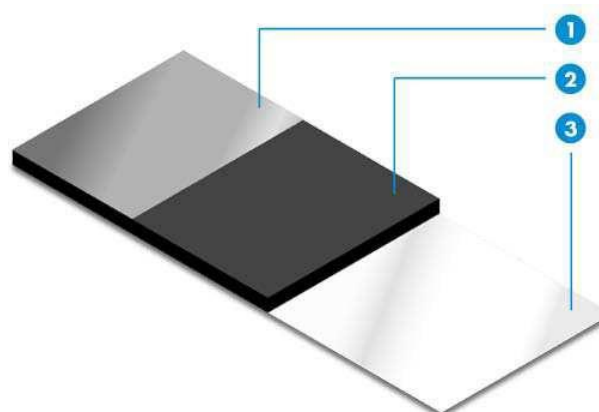
Do not use membrane as waterproofing system for flat roofing or roof garden.

SUPPLY

SELDAN IAL 100 is supplied in standard roll sizes of 1m x 20m of 1.5mm thickness.

Presentation	Value	Unit
Length	20	m
Width	1	m
Roll Surface	20	m ²

PRESENTATION



- (1) Solar Reflective Aluminium Film
- (2) Elastomeric SBS Polymer Modified Bitumen
- (3) Releasable Siliconized film

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, & low temperatures. It must be stored upright.

Never store **SELDAN IAL 100** in close proximity of any sharp or protruding edges to avoid puncturing or damaging.

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