

RAINSHIELD SSR

SELF ADHESIVE BITUMEN MEMBRANE – POLYESTER SURFACE

DESCRIPTION

Rainshield SSR self adhesive waterproofing membranes are a combination of a tough polyester fabric coated with SBS modified bitumen compound. The adhesive side is protected with a silicon coated film, which must be removed before application. A selvedge is provided on one side of the membrane to give a bitumen to bitumen contact on overlaps, thus restricting any water penetration through the lap joints. The polyester layer on surface enhances puncture resistance and damage from subsequent work or back filling.

ADVANTAGES

- Cold applied, self adhesive and easy to apply
- Excellent adhesion to vertical and horizontal surfaces
- Excellent tear and puncture resistance
- Excellent resistance to chlorides, sulphates, alkalis and acids
- Good tear and puncture resistance
- Water and vapour proof

USES

Rainshield SSR membranes are generally used as water proofing or damp proofing membranes intended for concrete protection. It may be used on vertical and horizontal surfaces and as damp proofing course for tanking below ground structures, subways and retaining walls. Rainshield SSR membranes are most useful for concrete structures that are not very deep, whereby the use of protection boards may be avoided due to the enhanced puncture resistance.

APPLICATION GUIDELINES

Surface preparation

A smooth, regular and dry surface is always a must for good application. The substrate should be completely free of any protrusions or cavities. The presence of oily substances, frost or moisture should be completely avoided. Apply Bitukote Bitumen Primer at a rate of 4 – 6 S.M. per liter as a primer coat. The primer coat should be touch dry before application of the membrane.

Application

Application temperature should be between 5⁰C to 45⁰C. The following is only a guideline for installation.

1. Unroll only the required length and cut the piece to the desired shape and size.
2. Place the pieces of membrane on the area to be covered and check whether they match with the profile of the marked substrate.
3. Peel off the release film and carefully place the membrane so as to ensure a minimum of 75mm overlap and then smooth the membrane from the center to the edges in order to release entrapped air.
4. Place a Bituboard on top of the membrane soon after the application in order to prevent any damage from exposure to sunlight, backfilling etc.

HANDLING

Rainshield SSR membranes are packed in loose corrugated boxes to avoid any damage during transit or on site. It can be unloaded by hand or any other convenient means but ensure the absence of any sharp or protruding edges within close proximity to avoid puncturing the membrane.

STORAGE

Rainshield SSR range of membranes must be stored in a shaded area on wooden pallets neatly covered with fabric and secured to avoid exposure to sunlight.

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DISPOSAL

Rainshield SSR is non hazardous, non inflammable material and therefore can be disposed of in any regular disposal area. It should be wrapped with paper, plastic or cloth before disposal as the modified material has a tendency to soften under heat and pressure.

HEALTH AND SAFETY

Rainshield SSR contains a very tacky bitumen compound and during application can adhere to human skin. Bitumen stains can be removed by using a cloth dipped in a very light solvent. In case the affected area is sensitive, like eye, please contact physician for advice.

TECHNICAL PROPERTIES

PROPERTIES	VALUES	TEST METHOD
Roll length	10 m	UEAtc
Roll width	1 m	UEAtc
Thickness	1.6mm 2.1 mm	UEAtc
Softening Point (compound)	110 ^o C	ASTM D 36
Elongation (compound)	> 1500 %	ASTM D 412
Tensile strength (Membrane)	7500 KPa	ASTM D 638
Adhesion strength Primed substrate	2.2N/mm	ASTM D 1000
Puncture resistance (Membrane)	670 N	ASTM E 154
Water penetration	Pass	DIN 1048
Crack bridging ability	1mm	ASTM C 836
Environmental resistance	Conforms	ASTM D 543

Above values are subject to 5-10% variation

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Technical consultancy is available for optimum specification and performance.



Quality Products since 1994

Manufactured by

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