

SBS modified bituminous membrane for roof garden

GENERAL

A high performance elastomeric waterproofing membrane which combines the ability to withstand high ambient temperature with the usual characteristics of an SBS membrane of high flexibility at low temperature that makes it easy to apply at sub-zero temperature.

The SBS Bitumen Compound is carefully blended with high quality anti-root additives that makes it suitable for all types of waterproofing works especially roofs gardens, flower boxes and underground backfilled structures.

SPECIAL FEATURES

- Positive vapor barrier
- Excellent resistance to atmospheric agents
- High flexibility during application at sub-zero temperature with no physical strains
- High malleability making it entirely suitable for difficult basement and foundation works.
- High softening point allowing it to maintain shape stability at high temperatures.
- Withstand thermal shocks
- Accommodates structural movements
- Resistant to chemical attacks

SIZE AND SURFACE FINISH

Biflex.anti-root is available in 1 m wide and 10 m length. The surface finish is sanded plain.

REINFORCEMENT CORE AND COATING MIXTURE

Biflex PL anti-root waterproofing membranes is reinforced with 180 g/m² non woven spunbond polyester reinforcement that gives the membrane dimensional stability and resistance to puncture. It is coated with a specially formulated mixture of SBS modified bitumen and anti-root additive which makes the membrane resistant to water, atmospheric agents, and plantations roots and malleable at low temperature while retaining a high softening point.

APPLICATION

The membrane must first be unrolled and laid down on the area to which it is to be applied. Check the orientation carefully. Adjacent rolls should then be laid, each overlapping the one next to it by 10 cm on the side and 15 cm at the ends. Taking care not to change the orientation of each roll, reverse the process until each has been re-rolled. When laying the roll, the lower surface should be heated with a propane torch, using sweeping left to right movements. This will melt the lower surface of the membrane and allow it to stick to the



PACKAGING

Leb	Syria	Jordan	UAE	Qatar	Kuwait	KSA	Oman
1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m	1x10 m

substrate. Continue this process for each subsequent roll, remembering that the overlaps must be 10 cm for the edges and 15 cm at the ends. When the process is complete, carry out an inspection to ensure total adhesion.

When applied in a totally bonded system, a coat of **weberdry prime WB** or **weberdry prime SB** should be applied at the rate of 200-300 g/m².

PROPERTIES	TYPICAL VALUES	TOLERANCE	TEST METHOD
Thickness	4.00mm	-0.2mm	ASTM D5147 EN 1849-1
Reinforcement base	180 g/m ² non woven polyester		
Mass per unit area	4.70 kg/m ²	±10%	EN 1849-1
Straightness	pass	<20mm	EN 1848-1
Root resistance contains 1% Preventol B2	Conforms	min	DIN 4062
Tensile strength	- long 850 N/5cm - trans 700 N/5cm	±20% ±20%	EN 12311-1 EN 12311-1
Elongation	- long 50% - trans 55%	±15% ±15%	EN 12311-1 EN 12311-1
Lap joint strength	- long 850 N/5cm - trans 700 N/5cm	±20% ±20%	ASTM D5147 ASTM D5147
Tear Resistance	- long 550 N - trans 355 N	min min	ASTM D5147 ASTM D5147
Low temperature flexibility*	-5° C	min	EN 1109
Puncture Resistance Static	20 kg	min	EN 12730
Puncture Resistance Dynamic	> 700mm	mlv	EN 12691
Water Absorption (n/a slate)	< 0.15%	mlv	ASTM D5147
Dimensional stability at 80°C	- long -0.5% - trans -0.5%	mlv mlv	ASTM D5147 ASTM D5147
Flow Resistance less than 2mm	100°C	mlv	EN1110
Reaction to fire	F	Euroclass	EN 13501-1
Biplas membranes are resistant to chlorides, sulphates and phosphates found in ground water.			

DISCLAIMER

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PG:29