

## SBS modified bituminous membrane - Plain

### 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.

It is suitable for all types of waterproofing works including roofs, foundation works, basement tankings, where high flexibility and malleability are required.

### SPECIAL FEATURES

- Positive vapour 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

**Uniflex** is available in 1x10 meter rolls. The surface finish is polyethylene film.

### REINFORCEMENT CORE & COATING MIXTURE

**Uniflex** waterproofing membranes is reinforced with 180 grams non woven spun bond polyester reinforcement that gives the membrane dimensional stability and resistance to puncture. It is coated with a specially formulated mixture of SBS modified bitumen which makes the membrane resistant to water, atmospheric agents, and malleable at low temperature while retaining a high softening point.



### INSTRUCTIONS FOR USE

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 substrate. On slated membranes you should either remove the special selvedge paper or on sand bottom rolls torch the special polypropylene selvedge. 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. In totally bonded systems, **Uniflex.PL 3 MM** should be applied over one coat of **weberdry prime WB** or **weberdry prime SB** at the rate of 200 – 300 g/m².

PROPERTIES	TYPICAL VALUES	TOLERANCE	TEST METHOD
Thickness	3.00mm	-0.2mm	ASTM D5147 EN 1849-1
Reinforcement base	180 g/m <sup>2</sup> non woven polyester		
Mass per unit area	4.70 kg/m <sup>2</sup>	±10%	EN 1849-1
Straightness	pass	<20mm	EN 1848-1
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.			

\*Different cold flexibility values can be supplied to special order.

### DISCLAIMER

While the company guarantees its products against defective materials, the use and application of these products are made without guarantee since the conditions of their application are beyond its control. It is recommended to verify with the company that the product is suitable for the intended use, and that this Data Sheet version is the latest one. The company may modify it without prior notice. Technical characteristics are listed for guidance only. For more information, please contact the company's office in your location.

### NOTE

The information included on this Technical Data Sheet is the sole property of Saint-Gobain Middle East Holding SAL (previously SODAMCO Holding.) The unauthorized disclosure, use, dissemination or copying (either whole or partial) of this data sheet or any information it contains, is prohibited and subject to legal pursuit.

PG:29

\*\*Available only in MENA