



# GANDTEX SBS

## SBS Modified Bitumen Membrane



### Description:

**GRANDTEX SBS** is a high performance prefabricated waterproofing membrane especially formulated and composed of selected distilled bitumen modified with S.B.S. Polymer resins antioxidant, but with strong reinforcing carrier of Non-Woven polyester.

**GRANDTEX SBS** 's extra strength and flexibility can be considered of particular use in jobs subject to expansion and contraction, such as; roofing foundation works, basements, retaining walls, tanking where high flexibility is needed is for shaping corners, edges etc

### Features:

- Especially developed for Hot Climate
- Resistance to ageing
- Stable at high temperatures
- Chemically stable
- Resistant to puncturing
- High malleability making it suitable for
- Difficult foundation and basement work
- Resistant to organic salts and acids; inorganic acids and to dilute alkalis at ambient temperatures
- Flexible at low temperatures
- Compatible with most roofing products
- Easy to apply even at subzero temperature
- Flashing made on the spot by using same membrane

### Application Instruction:

**GRANDTEX SBS** can be applied:

- By a propane torch
- By Cold adhesive
- Mechanically fastened

**According to different recommended Specification, can be applied to the deck:**

- Fully bonded
- Spot bonded
- loose laid

Starting at the low point of the roof surface, set the roll in the course to be followed and unroll half of the roll where practical. Position the membrane to provide a 10 cm side lap and a 10 cm end lap.

Using the. Propane torch, the flame

should be moved from side to side and the membrane slowly unrolled while pressing onto the underlying surface.

As the surface of the roll is heated, it will develop sheen.

The generation of heavy smoke is an indication that the surface is overheated.

- All roof decks must be smooth, moisture and dust free, asphalt primed.

### Transportation:

Handle with care avoiding overlapping or stacking of rolls.

### Membrane Protection:

**AIWIN** strongly advises that when the membrane is left directly exposed to the open air, a metallic or light colored paint must be applied to create an energy saving reflective

### Caution:

Roofing torches have been successfully used for many years, however since an open flame is present, all tire and safety precautions must be taken.





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### TECHNICAL SPECIFICATIONS

CHARACTERISTICS	STANDARD	VALUES		
		180G/M <sup>2</sup> POLYESTER	200G/M <sup>2</sup> POLYESTER	200G/M <sup>2</sup> POLYESTER + 50G FIBER GLASS
ROLL DIMENSION	EN 1848-1	1 X 10m ± 1%	1 X 10m ± 1%	1 X 10m ± 1%
SURFACING		PE film or colored slates (White ,Gray,Red,Green )		
REINFORCEMENT	BS747	180g/m <sup>2</sup> Polyester	200g/m <sup>2</sup> Polyester	200g/m <sup>2</sup> polyester + 50g fiber glass
THICKNESS ± 5%	ASTMD 5147/ EN 1849-1	3,4,5 mm	3,4,5 mm	3,4,5 mm
MEMBRANE WEIGHT	ASTM D 5147	3,4,5 Kg/m <sup>2</sup>	3,4,5 Kg/m <sup>2</sup>	3,4,5 Kg/m <sup>2</sup>
PUNCTURE RESISTANCE @ N	ASTM D 5147	(Class L4 ) > 450 N		
PENETRATION at 25°C, dmm	ASTM D 5	25 ±5	25 ±5	25 ±5
SOFTENING POINT °C	ASTM D 36	150 ±5	150 ±5	150 ±5
COLD FLEXIBILITY	ASTMD 5147/ EN 1109	-10°C	-20°C	-20°C
TENSILE STRENGTH(L)	ASTMD 5147/ EN 12311-1	850 N/5 cm	900 N/5 cm	1200 N/5 cm
TENSILE STRENGTH(T)	ASTMD 5147/ EN 12311-1	750 N/5 cm	800 N/5 cm	1200 N/5 cm
ELONGATION (L)	ASTMD 5147/ EN 12311-1	42%	50%	50%
ELONGATION (T)	ASTMD 5147/ EN 12311-1	50%	55%	55%
TEAR STRENGTH (L)	ASTM D 4073	200 N	210 N	400N
TEAR STRENGTH(T)	ASTM D 4073	200 N	210 N	390N
HYDROSTATIC RESISTANCE	ASTM D 5385	Watertight after 24 hrs. under 6m of water		
WATER ABSORPTION	ASTM D 5147	Less than 1%		
WATER VAPOR TRANSMISSION	ASTM E 96	≤0.5 g/m <sup>2</sup> /24hr		
DIMENSION STABILITY	ASTMD 5147/ EN 1107-1	Stable at 100°C		
FLOW RESISTANCE IN VERTICAL AT 90°C	EN 1110	≤0.5 mm	≤0.5 mm	≤0.5 mm
AGEING	ASTM D 4799	No signs of deterioration		
VOC		<50 ppm	<50 ppm	<50 ppm
CHEMICAL RESISTANCE	Membranes are resistance to chloride salts, sulphate and phosphate found in ground water			

This technical data complement to ASTM, B.S, and UEAtc.

This product data sheet supersedes all previous data publication pertaining to this product.

All values given refer to standard production within the usual factory tolerance.

(Variation of ±5% in thickness, ±10% in weight, and 20% in tensile and 15% in elongation is acceptable according to standard).

Aiwin reserve the right to change said values without advance notice but without affecting the quality of the product.