

BC SBS Membrane

Product Description:-

BC SBS Membrane is a high performance elastomeric torch-on sheet waterproofing membrane. It is based on SBS modified bitumen, reinforced with a 270 g/m² polyester non-woven fabric, faced with a polyethylene film on both sides. Suitable for use in tropical and hot climatic conditions.

Uses:

BC SBS Membrane may only be used by experienced professionals.
It is used as a waterproofing membrane for protection of various substrates in a wide range of application.
Waterproofing and damp-proofing of basements against permanent water submersion and damp under screed / tiles
Waterproofing of retaining walls
Waterproofing on flat roofs under protective layers
Ballast Waterproofing on balconies, terraces and wet rooms under screed / tiles

Characteristics / Advantages:

Good resistance to ageing
Good tensile strength and elongation
High resistance to water vapour
Good dimensional stability
Flexible at low temperatures
Easy to install using the torch-on method
Good resistance to mechanical impact

Further Information:

Method Statement
Application Guide / Manual
To maintain the function of the waterproofing during its lifespan, it is advisable to arrange periodically for inspection of any exposed membrane and detailing.
Check the functionality of the auxiliary works, flashings, drainage outlets, overflow pipes etc. including removing leaves, moss and other vegetation.



Technical Data:

Width	1.0 m (11 %)		(EN 1848-1)
Effective thickness	4 mm 10.2 mm		(EN 1849-1)
Mass per unit area	4.7 kg/m ² (110 %)		(EN 1849-1)
Technical Information			
Resistance to static puncture	-1200 N, -20 mm		(ASTM E154)
Tensile strength	Longitudinal	1100 N/50 mm(+20%)	(EN 12311-1)
	Transversal	800 N/50 mm (+20 %)	
Elongation	Longitudinal	45 % (115)	(EN 12311-1)
	Transversal	50 % (115)	
Tear strength	Longitudinal	- 775 N	(ASTM D5147/ D4037)
	Transversal	- 650 N	
Joint shear resistance	500 N/50 mm (+20 %)		(EN 12317-1)
Foldability at low temperature	Type 1	-- 5 °C	(EN 1109)
	Type 2	-15 to - 20 °C	
Softening point	*100 °C		(ASTM D36)
Resistance to water penetration	7 bar (70 m)	Noleakage	(ASTM D5385)
Service temperature	+35 °C maximum		
Application Information			

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Important Considerations:

Do not apply to wet, damp or unclean surfaces.

Do not over-torch the membrane otherwise the polyester reinforcement (which melts at +260 °C) will be damaged.

If membrane is insufficiently heated, this can cause reduced adhesion to the substrate, between layers or on the overlaps.

Avoid damage to previously installed membranes during the torch-on of further layers of sheet membranes

Use suitable footwear to avoid puncturing the membrane.

Water tightness testing of podiums, wet areas and roof structures is recommended after completion of the membrane installation works according to the specified project requirements.

Flood testing maximum 48 hours at 50 mm depth.

Product Description:

Use the appropriate preparation equipment to achieve the required substrate quality

Installation procedure:

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions

Priming:

Apply the appropriate primer from BCI, at the correct consumption to the prepared dry surface and allow to dry before next application stage. Sheets.

Alignment:

Unroll, align and re-roll correctly before torching.

Overlaps:

Side: 100 mm. End: 150 mm.

Torching:

Use a gas burner to heat the substrate and the backing film on the underside of membrane

When the backing film starts to melt, the membrane is ready to stick.

Roll the membrane forward and press firmly against the substrate to bond

Ensure a bead of melted bitumen is visible along the full length of the overlap sides and ends when laying.

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