

BTL ROOTGUARD SBS

-15°C

BTL RootGuard SBS

BTL RootGuard SBS is an elastomeric waterproofing membrane manufactured from distilled bitumen modified with SBS (Styrene-Butadiene-Styrene) polymers and enhanced with a special anti-root additive (Preventol).

This additive provides full root resistance throughout the entire thickness of the membrane, unlike traditional membranes that rely only on a surface film.

The membrane is reinforced with spunbond non-woven polyester, ensuring excellent mechanical strength, flexibility, and long-term durability.

SURFACE FINISH

Upper Surface: Embossed with a square pattern, available with a fine quartz finish to facilitate proper unrolling and handling.
Lower Surface: Protected with a TORCHFLAM heat-sensitive plastic film, preventing roll adhesion during storage and transportation. The film also serves as a temperature indicator, melting to confirm that the correct fusion temperature has been reached during torch application.

APPLICATIONS

BTL RootGuard SBS is specifically designed for waterproofing areas exposed to soil and vegetation, where root penetration can compromise traditional systems. Typical applications include:

- Roof gardens and green roofs
- Planters and landscaped podiums
- Underground garages and basements
- Tunnels and below-grade structures
- It may be applied as a single-layer root barrier or combined with a standard polyester-reinforced membrane as part of a multi-layer waterproofing system.

STORAGE

BTL RootGuard SBS should be stored in an upright position on pallets in a dry, shaded area away from direct sunlight and moisture.

Keep away from sources of heat or ignition.

APPLICATION INSTRUCTIONS

Prepare the substrate: ensure it is smooth, dry, clean, and primed where required; Position and align the rolls before torching; Heat the underside of the membrane with the propane torch until the TORCHFLAM film and bitumen begin to melt; Slowly unroll while torching to ensure proper adhesion; Overlap side joints by at least *100 mm* and end joints by *150 mm*; Press joints firmly with a trowel while hot to ensure complete sealing and proper leveling of the bituminous compound; Avoid scraping the membrane surface during installation to prevent exposure of reinforcement.

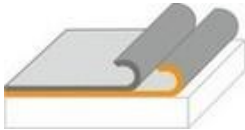
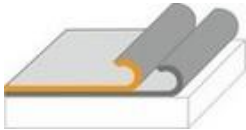


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TEST	UNIT	TOLERANCE	TEST METHOD	RESULT
Reinforcement Type	-	-	-	Polyester
Cold Temperature Flexibility	°C	MLV ≤	EN 1109	-15
Thickness	mm	MDV ± 5%	EN 1849-1	3.5-4
Roll Width	m	MDV ± 1%	EN 1848-1	1
Roll Length	m	MDV ± 1%	EN 1848-1	10
TENSILE STRENGTH (MAX)				
Longitudinal	N/5cm	MDV ± 20%	EN 12311-1	800
Transverse	N/5cm	MDV ± 20%	EN 12311-1	600
ELONGATION @ BREAK				
Longitudinal	%	MDV ± 15	EN 12311-1	45
Transverse	%	MDV ± 15	EN 12311-1	50
TENSILE TEARING STRENGTH				
Longitudinal	N	MDV ± 20%	EN 12310-1	550
Transverse	N	MDV ± 20%	EN 12310-1	500
Resistance to Static Loading	Kg	MLV ≤	EN 12730	15
Resistance to Impact Loading	mm	MLV ≤	EN 12691	1000
Flow Resistance at Elevated Temperature	°C	MDV - 10	EN 1110	100
External Fire Performance	-	-	EN 13501-5	F Roof
Reaction To Fire	-	-	EN 13501-1	F
Water Tightness Method A	60 Kpa	-	EN 1928:2000	PASS
Average Loss Of Slates*	-	EN 12039	MDV ≤	30%

- This publication revokes any previous one. Issue. 1 / © 2020
- *Membranes with a color slated surface finish may notice a change of color variations in form of oily marks, caused by migration of natural bitumen oils and exposure to atmospheric agents. This occurrence has no effect on the product's performance what so ever and becomes uniform gradually by time.
- PES: Non-Woven polyester reinforcement.

TYPE APPLICATION – CE MARK	
	
<p>SS – Underlayer EN 13707</p>	<p>SF – Top layer EN 13707</p>

BTL reserves the right to modify the technical data in this specification sheet, which is based on current production without prior warning.

All indications in this specification sheet are based upon our experience and current working practices.

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