

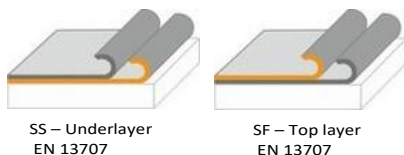
BTLGUM -15°

SBS Mod. Polyester 4MM

JUNE 2024
REV 05



APPLICATIONS



THE PRODUCT

BTLGUM is an elastomeric Modified Bitumen Membrane obtained from distilled bitumen modified with elastomeric (SBS). BTL GUM is reinforced with a “non-woven” Spunbond polyester.

SURFACE FINISH: The lower surface of the membrane is laminated with a thin thermo-fusible polyethylene ‘burn-off’ film. The membrane is available in plain or mineral finish.

USES

BTL GUM Is a waterproofing membrane and cap sheet designed for a wide range of roof types, with or without insulation. It is particularly suited for roofs exposed to high mechanical stress, such as tensile structures or metal profile decks, and performs well in cold climates.

- Roofing or re-roofing for single or multi-layer systems
- Sloped and flat roofs tunnels, wet areas, swimming pools and toilets foundations and underground structures slab on grade.

BENEFITS

- ✓ Absolute impermeability to water
- ✓ High chemical resistance to alkaline solutions, light acidic solutions and bacteria
- ✓ Thermal resistance under a wide range of temperature fluctuation
- ✓ U.V. resistance when surface is finished with slates

SPECIFICATIONS

Property	Standard	Unit	BTLGUM BLACK	BTLGUM MINERAL	Tolerance
Reference Standard	-	-	EN 13707	EN 13707	-
Reinforcement Type	-	-	Polyester	Polyester	-
Application Type	-	-	SS – Underlayer	SF – Top Layer	-
Upper Surface Finish	-	-	Sand	Chips Slate	-
Lower Surface Finish	-	-	PE Film	PE Film	-
Installation Method	-	-	Torch	Torch	-
Length	EN 1848-1	m	>10 (-1%)	>10 (-1%)	-
Width	EN 1848-1	m	>1 (-1%)	>1 (-1%)	-
Straightness	EN 1848-1	/	Pass	Pass	-
Mass per Unit Area	EN 1849-1	kg/m ²	5.5	5.5	±10%
Thickness	EN 1849-1	mm	4	4	±0.2 mm
Watertightness (Method B)	EN 1928	-	Pass	Pass	-
Fire Performance	EN 13501-5	-	F Roof	F Roof	-
Reaction to Fire	EN 13501-1	-	EUROCLASS F	EUROCLASS F	-

Shear Strength of Joint					
Heat lap			600	600	
Side lap	EN 12317-1	N/50 mm	400	400	-20%
Tensile Strength (Max)					
Longitudinal			750	750	
Transversal	EN 12311-1	N/50 mm	500	500	-20%
Elongation @ Break					
Longitudinal			45	45	
Transversal	EN 12311-1	%	50	50	-15 pp
Tear Resistance (Nail Shank)					
Longitudinal			550	550	
Transversal	EN 12310-1	N	400	400	-30%
Impact Resistance	EN 12691	N	1000	1000	-
Static Load Resistance	EN 12730	kg	15	15	-
Dimensional Stability	EN 1107-1	%	≤0.5	≤0.5	-
Low-Temperature Flexibility	EN 1109	°C	-15	-15	-
Flow Resistance at Elevated Temperature	EN 1110	°C	100	100	-
Accelerated Aging (High Temperature)	EN 1296 + EN 1109	°C	-10	-10	10
Granule Adhesion	EN 12039	% Loss	-	<30	-
Water Vapor Transmission	-	-	μ = 20,000	μ = 20,000	-

ADDITIONAL INFORMATION

Handling and storage

BTL GUM rolls are generally 1 m wide and 10 m long. The rolls are supplied on wooden pallets and should be stored in an upright position in a dry, flat and ventilated storage area away from direct sunlight.

Installation

Begin by unrolling the membrane onto the prepared surface to check alignment and ensure correct orientation. Lay out all rolls, making sure each one overlaps the adjacent roll by 10 cm on the sides and 15 cm at the ends. Without altering their orientation, re-roll each membrane in preparation for installation. During application, use a propane torch to heat the underside of the membrane with consistent, sweeping side-to-side motions. The heat will melt the bituminous layer, allowing the membrane to bond firmly to the substrate. Continue this process roll by roll, ensuring full adhesion and uniform coverage.

Tool requirements

For the correct installation of BTLGUM type membranes, all that is required is a propane gas roofing torch with a gas bottle, reduction valve and at least 10 m of approved type hose, a round nosed trowel or spatula, a utility knife, and a pair of gloves.

CERTIFICATION



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BTL reserves the right to modify the technical data in this specification sheet, which is based on current production without prior warning. All indicators in this specification sheet are based upon our experience and current working practices.