



VYBIT-SBS

SBS Modified Bitumen Waterproofing Membrane

DESCRIPTION

VYBIT-SBS is a high-performance waterproofing membrane manufactured with elastomeric SBS (Styrene-Butadiene-Styrene) modified bitumen, reinforced with polyester, and finished with various surface options.

The membrane offers excellent flexibility at low temperatures and superior fatigue resistance, making it suitable for demanding waterproofing applications.

BENEFITS

- Excellent low-temperature flexibility (down to -20°C or below)
- High elongation and crack-bridging capability
- Superior fatigue and aging resistance
- Strong tensile strength with reinforcement
- Good resistance to water pressure
- Compatible with torch-applied or self-adhesive systems
- Proven long-term durability

APPLICATIONS

- Flat and pitched roofing systems
- Basement and foundation waterproofing
- Podium decks and terraces
- Bridge decks and civil engineering structures
- Multi-layer waterproofing systems

INSTALLATION

Torch-applied (TORCH series)

- Substrate must be clean, dry, and primed
- Membrane heated with torch until bitumen melts
- Roll forward while bonding to substrate
- Overlaps: typically 80–100 mm
- Ensure continuous bitumen flow at seams

Self-adhesive (SA series)

- Remove release film
- Apply with pressure to substrate
- Roll firmly to ensure bonding

STORAGE & SHELF LIFE

- Store upright on pallets
- Avoid direct sunlight and high temperatures
- Do not stack rolls horizontally
- Shelf life: 12 months

DIMENSIONS & PACKAGING

Parameter	VYBIT-SBS TORCH		VYBIT-SBS SA	
Thickness	3.0 mm	4.0 mm	1.5 mm	3.0 mm
Length	10 m	8 m	20 m	10 m
Width	1 m	1 m	1 m	1 m
Top surface	Thermofusible film(TORCH) / Granules(TORCH GR)		HDPE cross lamination film(SA PE)	Thermofusible film(SA PY) / Silicone-coated removable plastic film(SA PYD)
Middle layer	SBS modified bitumen reinforced with non-woven polyester		SBS modified bitumen	SBS modified bitumen reinforced with non-woven polyester
Bottom surface	Thermofusible film		Silicone-coated removable plastic film	Silicone-coated removable plastic film

TECHNICAL DATA

Property	VYBIT-SBS TORCH (all types include)	VYBIT-SBS SA 1.5mm (all types include)	VYBIT-SBS SA 3.0mm (all types include)	Test Method
Maximum tensile force, MD/CD (N/50mm)	≥ 550/500	≥ 200/200	≥ 550/500	EN 12311-2:2000
Elongation at braek, MD/CD (%)	≥ 30/30	≥ 250/250	≥ 30/30	EN 12311-2:2000
Low temperature flexibility	-20°C, 2h, no crack	-20°C, 2h, no crack	-20°C, 2h, no crack	EN 1109:1999
Heat resistance	90°C, 2h, no flow	90°C, 2h, no flow	90°C, 2h, no flow	EN 1110:1999
Adhesion to steel plates (N/mm)	-	≥ 1.5	≥ 1.5	EN 12316-1:1999
Adhesion to primed concrete (N/mm)	-	≥ 1.5	≥ 1.5	EN 12316-1:1999
Lap Adhesion (N/mm)	-	≥ 1.0	≥ 1.0	EN 12316-1:1999