



TECHNICAL SPECIFICATION

Self-Adhesive Bitumen Membrane

Product: Self-Adhesive Bituminous Waterproofing Membrane

Type: SBS Polymer-Modified Bitumen Membrane

Application: Waterproofing of roofs, foundations, basements, walls, terraces, wet areas, concrete structures, and underground structures.

Typical Technical Properties

Property	Typical Specification	Test Method
Thickness	1.5 / 2.0 / 3.0 mm	EN 1849-1
Roll Width	1.0 m	EN 1848-1
Roll Length	10 / 15 / 20 m	EN 1848-1
Reinforcement	Polyester / Fiberglass / Composite	—
Bitumen Type	SBS Polymer Modified Bitumen	—
Upper Surface	PE Film / Aluminum Foil / Mineral Finish	—
Lower Surface	Self-Adhesive Compound + Release Film	—
Tensile Strength – Longitudinal	≥ 400 N/50 mm	EN 12311-1
Tensile Strength – Transverse	≥ 300 N/50 mm	EN 12311-1
Elongation – Longitudinal	≥ 30%	EN 12311-1
Elongation – Transverse	≥ 30%	EN 12311-1
Tear Resistance	≥ 150 N	EN 12310-1
Watertightness	Pass	EN 1928
Low Temperature Flexibility	≤ -15°C	EN 1109
Heat Resistance	≥ 90°C	EN 1110
Peel Adhesion	≥ 1.5 N/mm	ASTM D903 / Equivalent
Water Absorption	≤ 1%	ASTM D570 / Equivalent
Dimensional Stability	≤ 0.5%	EN 1107-1
Water Vapor Transmission	Very Low	EN 1931
Application Method	Cold Applied / Self-Adhesive	—



Product Characteristics

- **Torch-free application**
- Excellent adhesion to properly prepared concrete, metal, wood, and compatible substrates
- High waterproofing performance
- Good flexibility at low temperatures
- Excellent resistance to water and moisture penetration
- Easy and fast installation
- No hot bitumen or open flame required
- Suitable for vertical and horizontal applications
- Good dimensional stability
- Durable and long-lasting waterproofing protection

Installation

The substrate should be **clean, dry, smooth, and free from dust, oil, grease, and loose particles.**

A compatible bituminous primer may be applied when required.

Remove the release film gradually while pressing the membrane firmly onto the prepared surface. Adjacent sheets should be properly overlapped and sealed according to the project requirements.

Storage

Store rolls vertically in a dry and covered area, protected from direct sunlight, rain, excessive heat, and ignition sources.

Shelf Life: Typically 12 months when stored in the original unopened packaging under recommended conditions.

Note: The above values are typical specifications for self-adhesive bituminous membranes. Final values should be adjusted according to the exact membrane thickness, reinforcement, surface finish, and manufacturer test results.