

Bautek 1.5mm PE

SELF-ADHESIVE SBS BITUMEN MEMBRANE WITH POLYESTER REINFORCEMENT



PRODUCT DESCRIPTION

Bautek 1.5mm PE is a self-adhesive, cold applied SBS modified waterproofing membrane, with a polyester carrier. It has a release film on the under layer while the upper surface is covered with high density polyethylene

USES

Bautek 1.5mm PE:

- 1- Waterproofing for raft foundation
- 2- Retaining walls
- 3- Bathrooms, Kitchens, and wet areas waterproofing.
- 4- Base layer in a double layer roofing / waterproofing system applications.
- 5- Waterproofing of roofs.

ADVANTAGES

Bautek 1.5mm PE has been designed with special regard to providing clients with an excellent and versatile product.

Advantages of Bautek 1.5mm PE include:

- High mechanical properties.
- Absolute impermeability to water.
- Excellent low temperature performance.
- Excellent adhesion on any surface.
- High dimensional stability.
- Easy to apply.
- Environmentally friendly.

CERTIFICATION

This product is certified from the Egyptian government being in compliance with the quality mark of (EDS) and ASTM D 6222/2016

QUALITY CONTROL

The Modern Waterproofing Company is ISO 9001 certified. It applies a stringent quality control system utilizing its in-house laboratory. Occasional samples are analyzed by independent laboratories to ensure continued adherence to the highest standards (ASTM, EN, etc.). Each roll of Bautek 1.5mm PE is individually coded with a label containing all necessary information about the roll. This is intended to ensure traceability in accordance with ISO control standards

PRODUCT INFORMATION

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Roll Length	10, 15, 20m	EN1848 - 1	±1%
Roll Width	1m	EN1848 - 1	±1%
Thickness for PE finish	1.5 mm	EN1849 - 1	±5%
Reinforcement	Non-woven Polyester		

TECHNICAL DATA		TEST METHOD	UNIT	VALUE	TOLERANCE
Softening point (Ring & Ball)		ASTM D - 36	°C	>100	
Cold Flexibility		EN 1109	°C	- 15	
Heat Resistance		EN1110	°C	100	
Tensile strength	Long	EN 12311 - 1	N/5cm	500	±25%
	Wide		N/5cm	350	±25%
Elongation	Long	EN 12311 - 1	%	45	±20%
	Wide		%	50	±20%
Tear Resistance (Nail - shank)	Long Wide	EN 12310 - 1	N	100	±30%
			N	150	±30%
Tensile-tear Resistance	Long Wide	ASTM 0 - 5147	N	360	±30%
			N	300	±30%
Dimensional stability	Long Wide	EN 1107 - 1	%	±0.5 ±0.5	
Water absorption		ASTM 0 - 5147	%	0.15 max	
Static puncture resistance		EN 12730:2001	kg	10	
Dynamic puncture:resistance		EN 12591	mm	1000	
Water impermeability 60 kpa		EH 1928 2000	-	Absolutely impermeable	
Impermeability to Water.Vapor		EN 1931	μ	80,000	
Ageing due to U .V radiation		EN 1296	-	Pass	
Resistance to thermal .ageing		EN 1296	-	NO signs of deterioration after the test	
Adhesion to concrete		En13596	N/m ²	25	

NOTES:

Above results are based on 1.5 mm membrane.

Due to constant product improvements,MODERN company reserves the right to change above values without advance notice

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APPLICATION INSTRUCTIONS:

- Bautek 1.5mm PE membranes are installed fully bonded to the substrate.
- While unloading from truck, avoid the membranes by no means to fall or thrown down.
- To avoid over bending of membrane at 90° corners, apply 5 X 5 cm sand cement can't strip.
- Surface to be waterproofed should be free from dust, oils and should be smooth.
- Before installing Bautek 1.5mm PE membranes, surface should be primed first Nirol (W,WM,WB, R or S).
- The position of each roll is determined by unrolling it in its position, then, rerolled about half of its length without changing its orientation.
- Each roll should overlap the next by 10 cm side lap and 15 cm staggered end laps.
- For sloping roofs, start laying the membrane from the lower edge with longitudinal directions of rolls perpendicular to slope direction, side laps of next roll to be placed above the first one, etc...
- For detailed application procedures, please refer to Bitumode manual guide, where you can find constructions detail drawings.

STORAGE

Bautek 1.5mm PE membranes should be stored vertically in well covered and ventilated place not subject to direct sunlight