

ADESOMODE 3000

SELF-ADHESIVE SBS BITUMEN MEMBRANE WITH POLYESTER REINFORCEMENT

PRODUCT DESCRIPTION

ADESOMODE 3000 is a polyester carrier, self-adhesive, cold applied, SBS modified waterproofing membrane. While there is a separator film on the lower surface, the upper surface is covered with specially designed silicon dioxide crystals.

APPLICATION AREAS

ADESOMODE 3000:

- 1- Waterproofing for raft foundation
- 2- Retaining walls
- 3- Base layer in a double layer roofing / waterproofing system application.
- 4- Waterproofing of roofs.

ADVANTAGES

ADESOMODE 3000, has been designed with special regard to providing clients with an excellent and versatile product.

Advantages of **ADESOMODE 3000** 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 (EOS) 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 ADESOMODE 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 TOLERANCE

Roll Length	10, 15 & 20 m	EN 1848- 1	±1%
Roll Width	1 m	EN 1848- 1	±1%
Thickness for Sand Finish	3 mm	EN 1849-1	±5%
Reinforcement	Non-woven Polyester		



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TECHNICAL DATA		TEST METHOD UNIT		VALUE	TOLERANCE
Softening Point (Ring & Ball)		ASTM D-36	°C	>100	
Cold Flexibility		EN 1109	°C	-15	
Heat Resistance			°C	100	
Tensile Strength	Long	EN 12311-1	N/5cm	800	±25%
	Wide		N/5cm	600	±25%
Elongation	Long	EN 12311-1	%	60	±20%
	Wide		%	70	±20%
Tear Resistance	Long	EN 12310- 1	N	100	±30%
	Wide		N	150	±30%
Tensile - Tear Resistance	Long	ASTM D-5147	N	750	±30%
	Wide		N	500	±30%
Dimensional Stability	Long	EN 1107-1	%	±0.5	
	Wide		%	±0.5	
Water Absorption		ASTM D-5147	%	0.15 max.	
Static Puncture Resistance		EN 12730:2001	kg	10	
Puncture Resistance		EN 12691	mm	1000	
Water impermeability 60 kpa		EH 1928 2000	-	Absolutely impermeable	
Impermeability to Water, Vapor		EN 1931	p	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		EN 13596	N/cm²	25	

NOTES

- Above results are based on 3 mm. membrane.
- Due to constant product improvements, Modern Waterproofing Company reserves the right to change above values without advance notice.

APPLICATION INSTRUCTIONS

- **ADESOMODE 3000** membranes are mounted and welded with a torch-on method, loose-laid, or fully adhered to the substrate.
- It is strictly prohibited to allow the membranes to fall when unloading from the vehicle.
- To prevent excessive bending of the membrane at 90° corners, a 5x5 cm chamfering should be made.
- The surface to be waterproofed should be free from dust, oil, and smooth.
- The surface should be primed before applying **ADESOMODE 3000** membranes.
- The positioning of each roll is determined by unrolling it in its designated position and then rerolling it halfway without changing the direction.
- Each roll should overlap the next by 10 cm in the side lap and by 15 cm in the end lap.
- For fully adhered systems, the plastic film is removed, and the bottom surface of the membrane is slowly exposed to flame until the plastic film ignites and the bitumen melts, bonding the membrane to the substrate.
- Then, the contact line in the side laps should be heated from above with a torch, and the seam should be sealed by pressing the top membrane onto the bottom membrane with a trowel, avoiding excessive heating of the same spot.
- On sloped roofs, the membrane should be installed starting from the bottom edge with the rolls' longitudinal direction perpendicular to the slope.

STORAGE

ADESOMODE 3000 membranes should be stored vertically in well covered and ventilated place not subject to direct sunlight.

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