



ATLAS SMB

self-adhesive bitumen membrane

- waterproofing of terraces, balconies, foundations, cellars, underground garages
- high adhesion to the substrate
- easy and quick installation
- SBS modified



Properties

It has self-adhesive properties.

It retains its flexibility parameters even at -20°C.

Very easy to use - no torches, etc. required compared to heat-sealable membranes.

Dimensions of the membrane - 1.0 m wide, 15.0 m long, 1.5 mm thick.

Purpose

Providing waterproofing on underground parts of structures, e.g. foundations, retaining walls, etc.

Execution of waterproofing layers on terraces and balconies.

Can be used indoors, in rooms not intended for human habitation.

Making vapour barrier layers for terraces - equivalent diffusion resistance of one layer $S_d = 488$ m.

Type of substrates to be sealed - concrete, cement bases, galvanised sheet metal, extruded polystyrene or polystyrene boards.

Technical data and requirements

ATLAS SMB is a roll insulation material obtained by covering a thick film on one side with SBS modified asphalt.

PAPA ASFALTOWA PODKŁADOWA SAMOPRZYLEPNA MEMBRANA BITUMICZNA ATLAS SMB Declaration of performance 0032-CPR-2016	
EN 13969:2004 EN 13969:2004/A1:2006 Damp proofing products for buildings including waterproofing products for underground parts subject to reaction to fire testing. Damp proofing products for buildings including underground waterproofing products	
Reaction to fire	Class E
Waterproof	≥ 60 kPa (method B)
Impact resistance	≥ 350 mm (method A)
Joint strength	Longitudinal plant: 300± 150 N/50mm Cross-site: 300± 150 N/50mm
Flexibility at low temperatures	≤ -20 °C
Tensile strength: - tensile mechanical properties: maximum tensile force	Direction along: 300± 150 N/50mm Direction across: 300± 150 N/50mm
- tensile mechanical properties: elongation	Direction along: (200± 50) % Direction across: (200± 50) %
Static load resistance	≥ 10 kg (method B)
Tear strength	Direction along 150± 75 N Direction across 150± 75 N
Persistence: - watertight after artificial ageing - chemical resistance	≥ 60 kPa (method B) ≥ 60 kPa (method B) (according to Annex A of EN 13969)
EN 14967:2006 - product for horizontal damp proofing subject to regulations on reaction to fire. - product for horizontal damp proofing	
Reaction to fire	Class E
Waterproof	≥ 2 kPa (method A)
Impact resistance	≥ 350 mm (method A)
Persistence: - durability after artificial ageing/degradation - durability after chemical treatment	≥ 2 kPa (method A) ≥ 2 kPa (method A) (according to Annex A of EN 14967)
Flexibility at low temperatures	≤ -20 °C

Execution of waterproofing

Substrate and membrane preparation

The substrate should be dry, even, mechanically strong, without loose dirt, greasy stains or water. Absorbent substrates such as concrete or screed should be primed with IZOHAN DYSPERBIT. In sub-zero ambient temperatures, the membrane should be stored for 24 hours at a temperature of not less than +18 °C before use and the substrate to which the membrane will be attached should be dry, free from ice and frost.

Membrane installation

The membrane should be fixed using the adhesive method, taking advantage of its self-adhesive properties. When unrolling the roll, remove the film on the reverse side at the same time. The membrane should be pressed onto the substrate with the whole surface, especially carefully at the laps. Installation work is best carried out at temperatures above +10 °C to allow rapid bonding of the membrane to the substrate. When sticking successive rolls, it is necessary to maintain the overlaps of the membrane:

- with a width of approx. 9 cm at the joint along the roofing sheet,
- with a width of approx. 12 cm at the joint across the roofing sheet.

Each time a bonding operation is completed, it is necessary to check the correctness of the joint at the laps.

The top edge of the membrane used as vertical insulation should be fixed to the concrete mechanically, e.g. using studs with washers. Ideally, the top edge should be finished with a pressure strip. This will ensure pressure and a tight joint along the entire length of the membrane.

At the transition of the membrane from the horizontal to the vertical surface, the self-adhesive membrane on the vertical overlaps should be additionally heated with a small burner - this procedure increases the adhesive forces.

Packaging

Roll of 15 m.

Storage and transport

During transport and storage, the roofing felt rolls must be protected from dampness, protected from sunlight and placed upright in a single layer in such a way as to prevent movement and damage. Rolls of membrane should be stored on level ground in quantities of max. 1,200. with a minimum distance of 80 cm from the next batch and a minimum distance of 120 cm from radiators.

Transport safety regulations must be observed during transport.

Important additional information

The underside of the membrane web is protected against sticking by paper or foil, which must be removed during gluing.

The information contained in the Technical Data Sheet is a basic guideline for the use of the product and does not exempt from the obligation to carry out the work in accordance with the rules of the trade and in compliance with health and safety regulations.

With the issue of this Technical Data Sheet, all previous ones are no longer valid.

The contents of the Technical Data Sheet and the designations and trade names used therein are the property of Atlas Ltd. Their unauthorised use will be sanctioned.

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