

PRODUCT DATA SHEET

SikaShield® P25 MG EG 4,5 kg/m²

Atactic Poly Propylene (APP) Modified Bitumen-Based Waterproofing Membrane With Natural Mineral Granules Finish.

DESCRIPTION

This type of membrane is manufactured by modifying premium grade asphalts with atactic poly propylene and specially reinforced with non-woven polyester felt. They show excellent strength, elasticity and durability.

USES

Used as waterproofing /damp proofing membrane for protection of various substrates in wide range of applications.

- Medium to large roof slabs (domestic, commercial and industrial)
- Basements and raft slabs, exposed roofs
- Underground car parks etc.
- Bridges & Underpass

CHARACTERISTICS / ADVANTAGES

- Can be handled in warmer temperatures easily
- Requires solvent / water based primer before laying of membrane
- Minimum water absorption
- Easy to install by torching method
- Long term flexibility
- Excellent water tightness
- High tensile strength, tear and puncture resistant
- Capable of withstanding thermal and structural stresses
- Highly durable-excellent under long term aging

PRODUCT INFORMATION

Packaging	1 m x 10 m roll	
Shelf life	12 months	
Storage conditions	Rolls must be stored in their original package, in vertical position and under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice, etc.	
Appearance and colour	Black membrane with mineral granules upper finish	
Visible defects	Absent	(EN 1850-1)
Straightness	20 mm x 10 m max	(DIN EN 1848-1)
Mass per area	4.5 kg/m ²	(EN 1849-1)
Resistance to impact	700 mm	(EN 12691)
Resistance to static loading	20 kg	(EN 12730)

Tensile strength	Longitudinal	600 N/50 mm ± 20 %	(EN 12311-1)
	Transversal	400 N/50 mm ± 20 %	
Elongation	Longitudinal	35% ± 20%	(EN 12311-1)
	Transversal	40% ± 20 %	
Resistance to tear	Longitudinal	500 ± 30%	(ASTM D 5147)
	Transverse	350 ± 30%	
Joint shear resistance	Longitudinal	600 N/50 mm ± 20 %	(EN 12317-1)
	Transverse	400 N/50 mm ± 20 %	
Foldability at low temperature	No Crack at 0 °C		(EN 1109 / ASTM D 5147)
Flow resistance	No flow at 120 °C		(EN 52123 / DIN EN 1110)
Reaction to fire	Class E		(EN 13501-1)
Ambient air temperature	+5 °C min. / +60 °C max.		
Substrate temperature	+5 °C min. / +60 °C max.		

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

SUBSTRATE QUALITY

Concrete, mortar surfaces must be clean, free from grease, oil, and loosely adhering particles. Steel and iron surfaces must be free from scale, rust, grease and oil.

APPLICATION METHOD / TOOLS

Installation procedure

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Priming

Apply the appropriate primer from the SikaBit® P or Sika® Igoflex® P range, at the correct consumption to the prepared dry surface and allow to dry before next application stage. Refer to the individual Product Data Sheets.

Alignment

Unroll, align and re-roll correctly before torching.

Overlaps

Side: 80-100 mm. End: 150 mm.

Torching

Use a gas burner to heat the substrate and the backing film on the underside of membrane. When the backing film starts to melt, the membrane is ready

to stick.

Roll the membrane forward and press firmly against the substrate to bond. Ensure a bead of melted bitumen is visible along the full length of the overlap sides and ends when laying.

Detailing

All details such as internal and external corners, up-stands, vent pipes, drains, support metalwork etc. must be cut and sealed effectively. Detailing must follow the recommended guidelines and good practice for torch-applied membranes.

Protection

The membrane must be protected from damage during any ongoing site activities.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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SikaShield® P25 MG EG 4,5 kg/m²
May 2023, Version 01.01
020920011990001904