

PRODUCT DATA SHEET

SikaShield® P34 MG EG 3 mm

Torch applied sheet waterproofing membrane

DESCRIPTION

SikaShield® P34 MG EG 3 mm (-5°C) is a torch applied sheet waterproofing membrane on base of APP- polymerized bitumen, reinforced with Polyester non woven fabric, with a slated surface and the reverse faced with PE-film to ease installation works.

USES

- Waterproofing on balconies under tiles
- Waterproofing on flat roofs under ballast

CHARACTERISTICS / ADVANTAGES

- Resistant to ageing
- Good tensile strength and elongation
- High resistance to water vapour permeability
- Dimensional stable
- Flexible at low temperatures
- Easy to install by using flame torch method
- Not resistant to root penetration
- Suitable for multi layer installations only
- Must be installed on primed and smooth substrates of concrete or brickwalls

PRODUCT INFORMATION

Composition	APP modified bitumen		
Packaging	Roll size		
	Length	10,00 m	
	Width	1,00 m	
Shelf life	12 Months from date of production		
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.		
Effective thickness	3,0 mm ± 5 %		(EN 1849-1)
Tensile strength	Longitudinal	450 N/50 mm ± 20 %	(EN12311-1)
	Transversal	350 N/50 mm ± 20 %	
Elongation	Longitudinal	35% ± 15 %	(EN12311-1)
	Transversal	40% ± 15 %	
Tear strength	Longitudinal	150 N ± 30 %	(EN 12310-1)
	Transversal	150 N ± 30 %	
Flexibility at low temperature	≤ -5 °C		(EN 1109)
Flow resistance	At elevated temperature ≥ 120°C		(EN 1110)

Watertightness	≥ 60 kPa	(EN 1928 - B)
Water-vapour transmission rate	μ ≥ 20'000	(EN 1931)
Artificial ageing	By long term exposure to UV radiation according to EN 1297 By long term exposure to UV radiation and elevated temperature according to EN 1296 / EN 1297	(EN 1850 -1) Passed Max. tensile strength: 400 N / 50 mm, 300 N / 50 mm (EN 12311 - 1) Max. elongation: 35%, 35% (EN 12311 - 1) Water tightness: ≥ 60 kPa (EN 1928)
External fire performance	E - class B proof(t1)	(EN 13501 - 5)
Reaction to fire	E - Class E	(EN 13501 - 1)
Ambient air temperature	+5°C min. / +35°C max.	
Relative air humidity	80% max.	
Substrate temperature	+5°C min. / +35°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.

FURTHER INFORMATION

This product shall only be used by installers, skilled and experienced in installation of bituminous membranes.

Avoid damage on installed membrane while over torch of further sheet membrane

The watertightness of the structure must be tested and approved after completion of the membrane installation works according to the requirements of the client's specifications.

The membrane is not UV - stable and can not be installed on structures permanently exposed to UV light and weathering

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 Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

SUBSTRATE QUALITY

Concrete / brickwork / mortar screeds:
Clean, sound and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Horizontal surfaces must be sloped > 1.5%.

APPLICATION METHOD / TOOLS

Primer application on substrate for first membrane layer:
Application of cold applied bituminous lacquer for first membrane layer. Application by brush, roller, or air-

less spraying. Waiting time, depending to temperature, complete evaporation. Priming for second and further membrane layers not required. Installation method: Fully bonded to substrate by torch-on method with Propane - gas flame. Unrolling and positioning of membrane roll with PE-film faced to substrate. Rolling of half roll length, heating of membrane reverse with gas flame until melting of PE-film and bitumen mass while continuous unrolling. A bead of liquid bitumen must be visible on underside of roll. The torch-on membrane must be firmly pressed to substrate in order to avoid air entrapments either with roller or heavy broom. Repeat procedure with second half of roll length. All installed membranes must be overlapped min. 100mm. The seams must be finished with roller while installing of membranes to close gaps and capillaries.

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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