

PRODUCT DATA SHEET

SikaShield® P25 PE EG 3 mm

Reinforced plastomeric bituminous waterproofing membrane torch applied (APP)

DESCRIPTION

SikaShield® P25 PE EG 3 mm is a high performance plastomeric torch-on sheet waterproofing membrane. It is based on APP modified bitumen, reinforced with polyester non-woven fabric, faced with a polyethylene film on both sides. Suitable for use in tropical and hot climatic conditions.

USES

- Applications subject to moderate mechanical stress.
- Waterproofing for wet areas, mechanical rooms
- Slab on Grade.
- Waterproofing of underground structures.

FEATURES

- Resistant to ageing
- Good tensile strength and elongation
- High resistance to water vapour
- Good dimensional stability
- Flexible at low temperatures
- Easy to install using the torch-on method
- Good resistance to mechanical impact

PRODUCT INFORMATION

Packaging	Length 10,00 m	
	Width 1,00 m	
Shelf life	12 months from the production date	
Storage conditions	Rolls should be stored in an upright position in a flat properly ventilated and protected against direct sunlight, rainwater, snow and ice etc.	
Appearance and colour	Top surface	Polyethylene film
	Backing	Polyethylene film
Effective thickness	3 mm (± 5 %)	(EN- 1848)
Resistance to static puncture	15 Kg	(EN 12730: 2001)
Resistance to dynamic puncture	700 mm	(EN 12691)
Tensile strength	Longitudinal	600 N/5 cm ± 20 % (EN 12311/1)
	Transversal	400 N/5 cm ± 20 %
Elongation	Longitudinal	≥30% (EN 12311/1)
	Transversal	≥30%

Tear strength	Longitudinal	150 N ± 30 %	(EN-12310-1)
	Transversal	150 N ± 30 %	
Resistance to tear	Longitudinal	450 N ± 30 %	(ASTM D-5147)
	Transversal	350 N ± 30 %	
Joint shear resistance	Longitudinal	450 N/5 cm ± 20 %	(EN 12317/1)
	Transversal	350 N/5 cm ± 20 %	
Flexibility at low temperature	0 °C		(EN- 1109)
Flow resistance	120°C		(EN 1110)
Water absorption	Less than 1%		(ASTM D-5147)
Watertightness	60 Kpa		(EN-1928:2000)

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 should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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 Sika® range (Bitumen W) 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: 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. Embossed membrane versions require less torching.

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 and after ongoing site activities, for example with Sikashield® Protection Sheet.

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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