

PRODUCT DATA SHEET

SikaShield® P26 PE EG GCC 4 mm

Reinforced Plastomeric bituminous waterproofing membrane torch applied

DESCRIPTION

SikaShield® P26 PE EG GCC 4 mm is a high performance Plastomeric torch-on sheet waterproofing membrane.

It is based on APP modified bitumen, reinforced with a 200 g/m² polyester non-woven fabric, faced with a polyethylene film on both sides. Suitable for use in tropical and hot climatic conditions.

USES

SikaShield® P26 PE EG GCC 4 mm may only be used by experienced professionals. It is used as a waterproofing membrane for protection of various substrates in a wide range of applications.

- Waterproofing and damp-proofing of the exterior walls of basements against percolating water and damp soil
- Waterproofing of retaining walls
- Wet areas
- Waterproofing on flat roofs under protective layers or ballast
- Waterproofing on balconies, terraces and wetrooms under tiles

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

Composition	APP Modified Bitumen
Reinforcing material	Polyester, ~200g/m ²
Packaging	Roll size: 1 m (roll width) x 10 m (roll length)
Shelf life	12 months from date of production if stored properly in original unopened packaging.
Storage conditions	Rolls must be stored in their original package, in vertical position and under cool and dry conditions between temperatures of +5°C and +35°C. They must be protected from direct sunlight, rain, snow and ice.
Appearance and colour	Rolled sheet membrane, reinforced with polyester non-woven fabric with Polyethylene film on both sides for ease of installation

	Colour: Black		
Length	10.0 m (± 1 %)		(ASTM D5147)
Width	1.0 m (± 1 %)		(ASTM D5147)
Effective thickness	4 mm (± 0.2 mm)		(ASTM D5147)
Resistance to static puncture	Min 900 N		(ASTM E154)
Tensile strength	Longitudinal	850 N/50 mm ± 20 %	(ASTM D5147)
	Transversal	600 N/50 mm ± 20 %	
Elongation	Longitudinal	45 % ± 20 %	(ASTM D5147)
	Transversal	50 % ± 20 %	
Tear strength	Longitudinal	500 N ± 20%	(ASTM D5147)
	Transversal	400 N ± 20%	
Joint shear resistance	Longitudinal	700 N/50mm ± 20%	(ASTM D5147)
	Transversal	500 N/50mm ±20%	
Flexibility at low temperature	~ 0 °C		(ASTM D5147)
Water absorption	Max 1% (at 25°C, 24 h)		(ASTM D5147)
Watertightness	Impermeable at 4 bar (40 m)		(ASTM D5358)
Water-vapour transmission rate	~0.20 g/m ² /24 hours		(ASTM E96)
Ambient air temperature	+5°C min. / +50°C max.		
Substrate temperature	+5°C min. / +65°C max.		

BASIS OF PRODUCT DATA

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

FURTHER DOCUMENTATION

- Method Statement
- Application Guide / Manual

To maintain the function of the waterproofing during its lifespan, it is advisable to arrange periodically for inspection of any exposed membrane and detailing. Check the functionality of the auxiliary works, flashings, drainage outlets, overflow pipes etc. including removing leaves, moss and other vegetation.

IMPORTANT CONSIDERATIONS

- Do not apply to wet, damp or unclean surfaces.
- Do not over-torch the membrane otherwise the polyester reinforcement (which melts at +260°C) will be damaged.
- If membrane is insufficiently heated, this can cause reduced adhesion to the substrate, between layers or on the overlaps. If this occurs, unbonded areas must be lifted and re-torched.
- Avoid damage to previously installed membranes during the torch-on of further layers of sheet membranes.
- Use suitable footwear to avoid puncturing the membrane.

- Watertightness testing of podiums, wet areas and roof structures is recommended after completion of the membrane installation works according to the specified project requirements.
- Flood testing maximum 48 hours at 50 mm depth. See ASTM D5957 for more information.

ECOLOGY, HEALTH AND SAFETY

SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the waterproofing build-up. When used as a roofing membrane, the complete roof system must be designed and secured against wind uplift loadings. The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, free of grease, oil, dust and loosely adhering particles.

SUBSTRATE PREPARATION

Use the appropriate preparation equipment to achieve the required substrate quality.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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.

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ISO 9001, 14001, 45001 – SGS
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ISO 9001, 14001 – SGS
- Sika Saudi Arabia Limited
ISO 9001, 14001 – TÜV
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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

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