

PRODUCT DATA SHEET

SikaShield® E79 MG SA 4 mm

Self-adhesive bituminous membrane surfaced with granules and flexible at -25 °C

PRODUCT DESCRIPTION

SikaShield® E79 MG SA 4 mm is an SBS modified bituminous roof waterproofing membrane with a thickness of 4 mm. It is reinforced with a dimensionally stable composite inlay of a fiberglass matt compressed between two layers of non-woven spunbond polyester fabric and is flexible at -25 °C. The top surface is coated with mineral granules, which allows the permanent exposure to UV radiation. The underside of the product has a burn-off film for easy torch-application.

USES

The Product is used as a waterproofing membrane for:

- Balconies and terraces
- Flat or sloped roofs with up to 15 % gradient
- Exposed single-layer or as a top sheet in a multi-layer roofing system

PRODUCT INFORMATION

Chemical Base	Composition	SBS modified bitumen	
	Reinforcing material	Composite inlay of a fibreglass matt compressed between two layers of non-woven spunbond polyester fabric	
Packaging	Roll width	1.0 m	(EN 1848-1)
	Roll length	6.0 m	
Refer to the current price list for available packaging variations.			
Shelf Life	12 months from date of production		

CHARACTERISTICS / ADVANTAGES

- Flame-free application
- Highly flexible in cold temperatures
- High adhesion in cold temperatures
- Fully bonded
- High durability
- Fast and easy installation
- Good adhesion in cold temperatures
- Very good mechanical properties (tensile, tear, shear)

APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13707:2004+A2:2009 Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing — Definitions and characteristics
- BBA Certified (19/5716)

Storage Conditions	The Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.		
Appearance / Colour	Top surface	Mineral Granules	
	Bottom Surface	Removable foil	
	Top layer colour	Refer to current price list for color variations	
Effective Thickness	Effective thickness	4.0 mm ± 0.2 mm	(EN 1849-2)

TECHNICAL INFORMATION

Maximum tensile force	Longitudinal (MD)	750 N/50 mm ± 150 N/50 mm	(EN 12311-1)
	Transversal (CMD)	650 N/50 mm ± 130 N/50 mm	
Elongation at maximum tensile force	Longitudinal (MD)	50 % ± 15 %	(EN 12311-1)
	Transversal (CMD)	50 % ± 15 %	
Resistance to Tearing (nail shank)	Longitudinal (MD)	250 N ± 75 N	(EN 12310-1)
	Transversal (CMD)	250 N ± 75 N	
Joint Shear Resistance	Longitudinal (MD)	650 N/50 mm ± 130 N/50 mm	(EN 12317-1)
	Transversal (CMD)	550 N/50 mm ± 110 N/50 mm	
Flexibility at low temperature	≤ -25 °C		(EN 1109)
Water Tightness	Method B, 24 hours at 60 kPa	Pass	(EN 1928)
Reaction to Fire	Class E		(EN 13501-1)

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH: This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in this product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the

European Chemicals Agency in concentrations above 0.1 % (w/w).

APPLICATION INSTRUCTIONS

Please refer to the SikaShield® Installation Guide

MAINTENANCE

Check the functionality of the auxiliary works, flashings, drainage outlets, overflow pipes etc. Remove any leaves, moss and other vegetation, which could cause ponding on the roof and overload the drainage system.

To maintain the function of the roof waterproofing membrane during its lifespan, it is advisable to arrange periodically for inspection of the membrane and detailing.

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 the 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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