

PRODUCT DATA SHEET

SikaShield® E64 PE SA UK 3 mm

3 mm elastomeric self-adhesive bituminous membrane flexible at -20 °C

PRODUCT DESCRIPTION

SikaShield® E64 PE SA UK 3 mm is an SBS modified bituminous waterproofing self-adhesive membrane with a thickness of 3 mm. It is reinforced with a non-woven polyester fabric dimensionally stabilised with glass fibre and is flexible at -20 °C. The top surface is coated with a polyethylene foil. The underside has a removable liner over the self-adhesive compound for easy application.

USES

The Product is used as a:

- Base sheet in multi-layer systems

CHARACTERISTICS / ADVANTAGES

- Accommodates a wide range of roof system, deck types and substrate combinations
- Flame-free application
- Good adhesion in cold temperatures
- High durability
- 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

PRODUCT INFORMATION

Chemical Base	Composition Reinforcing material	SBS modified bitumen non-woven polyester fabric dimensionally stabilised with glass fibre	
Packaging	Roll width	1.0 m	(EN 1848-1)
	Roll length	8.0 m	
Refer to current price list for packaging variations.			
Appearance / Colour	Top surface	Polyethylene film	
	Bottom surface	Removable foil	
Shelf Life	12 months from date of production		
Storage Conditions	The Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Protect the product from direct weather exposure and sunlight. Store in a vertical position.		
Effective Thickness	Effective thickness	3.0 mm ± 0.2 mm	(EN 1849-1)

TECHNICAL INFORMATION

Resistance to Tearing (nail shank)	Longitudinal (MD)	150 N ± 42 N	(EN 12310-1)
	Transversal (CMD)	150 N ± 42 N	
Joint Shear Resistance	Longitudinal	350 N/50 mm ± 70 N/50 mm	(EN 12317-1)
	Transversal	300 N/50 mm ± 60 N/50 mm	
Reaction to Fire	Class E		(EN 13501-1)
Water Tightness	Method B: 24 hours at 60 kPa	Pass	(EN 1928)
Flexibility at low temperature	≤ -20 °C		(EN 1109)
Maximum tensile force	Longitudinal (MD)	450 N/50 mm ± 90 N/50 mm	(EN 12311-1)
	Transversal (CMD)	400 N/50 mm ± 80 N/50 mm	
Elongation at maximum tensile force	Longitudinal (MD)	[40 ± 15] %	(EN 12311-1)
	Transversal (CMD)	[40 ± 15] %	
Product Temperature	Maximum	+40 °C	
	Minimum	+5 °C	
Relative Air Humidity	Maximum	80 %	
Substrate Temperature	Maximum	+40 °C	
	Minimum	+5 °C	

VALUE BASE

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

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 the 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

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.

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