

## PRODUCT DATA SHEET

# SikaShield® E40 FC SA 1,7 mm

A self-adhesive, cold applied bituminous membrane with a polypropylene backing

### DESCRIPTION

**SikaShield® E40 FC SA 1.7mm** is a bituminous, elastomeric waterproofing membrane with a thickness of 1.7 mm. It has excellent dimensional stability and is flexible at -10 °C. It has a 50mm selvedge which ensures the bond of the overlying layer and fast welding of the joints. The underside of the product has a peel-off film for easy self-adhesive application.

### USES

**SikaShield E40 FC SA 1.7mm** is an extremely flexible, robust, adhesive and versatile membrane used for sealing and protection in a variety of applications in construction and infrastructure applications, where high shear resistance is required, such as foundations, pits, basements, subways, lift shafts and trafficked structures.

### CHARACTERISTICS / ADVANTAGES

- Fully bonded system ensures reliable waterproofing
- Easy to install, only basic tools required.
- Excellent mechanical properties (tensile, tear, shear)
- High Puncture Resistance
- Withstands hot asphalt pours at up to 180°C
- Permanently flexible

### PRODUCT INFORMATION

<b>Composition</b>	Composition Top Surface	Modified bitumen Woven Polypropylene
<b>Packaging</b>	Roll width Roll length	1.0 m 20.0 m
<b>Shelf life</b>	12 months	
<b>Storage conditions</b>	The Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Store Storage conditions 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.

<b>Top surface</b>	Woven Polypropylene	
<b>Bottom surface</b>	Release Paper	
<b>Thickness</b>	1.65 ± 0.15 mm	
<b>Weight</b>	1.75 ± 0.15 kg/m <sup>2</sup>	
<b>Resistance to dynamic puncture</b>	900 N	(ASTM E154, ASTM D1709)
<b>Tensile strain at break</b>	≥ 12.0 N/mm	(ASTM D412)
<b>Elongation at break</b>	50% 22 ± 3%	(ASTM D1000) (ASTM D412)
<b>Adhesion in peel</b>	4 N/mm	(ASTM D1000, 24 h @23°C)
<b>Service temperature</b>	10°C to 95°C	
<b>Joint permeability to water vapour</b>	Nil	(MOAT 27.5.1.4)
<b>Diffusion resistance to water vapour</b>	0.07 g/m <sup>2</sup> .h	(ASTM E96)

## 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

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## 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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