

## PRODUCT DATA SHEET

# SikaShield® P57 MG EG 4 mm

## Modified Bitumen Plastomeric Waterproofing Membrane Composite Polyester Reinforcement

### DESCRIPTION

Bituminous Plastomeric Waterproofing Membrane made of a special grade of bitumen modified with APP polymers with heavy weight composite polyester (P) of non-woven polyester armoured with glass fiber filaments which provides high mechanical properties and dimensional stability and is enhanced with the addition of special chemical additive to provide the membrane with Rot-proof features to stop the growth of bacteria over the waterproofing layer.

### USES

- Single layer roofing system for high roofing performance.
- Waterproofing for Exposed roofs and terraces.

### CHARACTERISTICS / ADVANTAGES

- Compatible with all types of bituminous waterproofing systems.
- Absolute impermeability to water.
- High dimensional stability.
- High U.V and weather resistance.
- Resistant to soil chemicals and salts up to certain limit.
- Improved chemical resistance to acidic and alkaline solutions.
- Polyester reinforcement provides the membrane with tensile strength, tear resistance and elongation.
- Super low temperature resistance up to -15° C.
- Rot Proof.

### PRODUCT INFORMATION

<b>Packaging</b>	Roll size: 1.0 m (roll width) x 10.00 m (roll length)		
<b>Shelf life</b>	24 months from the production date		
<b>Storage conditions</b>	Rolls should be stored in an upright position in a flat properly ventilated and protected against direct sunlight, rainwater, snow and ice etc.		
<b>Appearance and colour</b>	Surface: slated Colour: Black Lower surface: laminated with Polyolefin film.		
<b>Effective thickness</b>	4.00 mm		
<b>Resistance to static puncture</b>	L4	( EN 12730:2001)	
<b>Resistance to dynamic puncture</b>	I 4	(EN 12691)	
<b>Tensile strength</b>	Longitudinal	1050 N/5 cm	(ASTMD-5147)
	Transverse	800 N/5 cm	
<b>Elongation</b>	Longitudinal	≥50%	(ASTM D-5147)
	Transverse	≥55%	

<b>Tensile adhesion strength</b>	25 N/ cm <sup>2</sup>		(UEAtc)
<b>Tear strength</b>	Longitudinal	300 N	( EN 12310-1)
	transverse	350 N	
<b>Resistance to tear</b>	Longitudinal	800 N	(ASTM D-5147)
	Transverse	700 N	
<b>Joint shear resistance</b>	Longitudinal	1050 N	(ASTM D-5147)
	Transverse	800 N	
<b>Dimensional stability</b>	Longitudinal	±0.2%	(UNI 8202)
	Transverse	±0.1%	
<b>Foldability at low temperature</b>	-10 to -15		(ASTM D-5147)
<b>Flow resistance</b>	120°C		(ASTM D-5147 )
<b>Water absorption</b>	0.15 %		(ASTM D-5147)
<b>Permeability to water vapour</b>	80'000 μ		(UNI 8202)

## 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.

## 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 INSTRUCTIONS

### SUBSTRATE PREPARATION

#### PRIMING

Note: For information on selecting the appropriate primer, contact Sika technical service.

1. Apply Sika® Proof Primer or appropriate primer with the required consumption onto the prepared dry surface. Note: Refer to the individual Product Data Sheet of the primer.
2. Allow the primer to dry before membrane installation.

### APPLICATION METHOD / TOOLS

The application of SikaShield® P57 MG EG 4 mm is done by using a propane torch or by mechanical fastening. The application of the membranes can be applied to the substrate fully bonded, semi bonded or loose laid in accordance with the waterproofing system for membrane installations. Side laps should be from 8–10 cm while end laps should be from 12–15 cm.

## 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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