

PRODUCT DATA SHEET

SikaShield® E46 PE EG 4 mm

Bitumenous Waterproofing Membrane Based On SBS Modified with Polyester Reinforcement

DESCRIPTION

Bitumenous Elastomeric Waterproofing Membrane made of special grade of bitumen modified with SBS polymers reinforced with non-woven polyester which provide high mechanical properties and high dimensional stability

USES

- Roofing and re-roofing works for sloped and flat protected roofs.
- Applications subject to moderate mechanical stress.
- Waterproofing fo wet areas, mechanical rooms and terraces.
- Waterproofing of underground structures, retaining walls and under raft foundations.

CHARACTERISTICS / ADVANTAGES

- Reinforcement provides the membrane with dimensional stability and mechanical properties.
- Compatible with all types of bitumenous waterproofing systems.
- Flexible at low temperature up to -10C.
- Environmentally friendly.
- Resistant to weathering
- High resistance to water vapour
- Easy to install using the torch-on method
- Good resistance to mechanical impact
- Enhanced thermal resistance under a wide range of temperature fluctuation.

PRODUCT INFORMATION

Packaging	Roll size : 1.0 m width x 10.00 m length	
Shelf life	24 months from the production date.	
Storage conditions	Rolls should be stored in an upright position in a flat properly ventilated area and protected against direct sunlight, rainwater, snow and ice, etc.	
Appearance and colour	Rolled sheet membrane, reinforced. Surface : smooth. Colour : black. Upper surface: covered with polyethelene film. Lower surface: covered with polyethylene film.	
Length	10.00 m	(EN 1848 - 1)
Width	1.00 m	(EN 1848 - 1)
Thickness	4mm (± 5%)	(EN 1849 - 1)

TECHNICAL INFORMATION

Resistance to static puncture	20 Kg	(EN 12730:2001)
Resistance to dynamic puncture	1750 mm	(EN 12961)
Tensile strength	Longitudinal 750 N/ 5cm - 20 % Transverse 500 N/ 5cm - 20 %	(according to EN 12311-1) (according to EN 12311-1)
Elongation	Longitudinal 40 % - 20 % Transverse 45 % - 20 %	(according to EN 12311-1) (according to EN 12311-1)
Tear strength	Longitudinal 150 N - 30% Transverse 200 N - 30%	(according to EN 12310-1) (according to EN 12310-1)
Resistance to tear	Longitudinal 400 N - 30 % Transverse 300 N - 30 %	(according to ASTM D5147)) (according to ASTM D5147))
Flexibility at low temperature	-10° C	(according to EN 1109)
Flow resistance	110°C	(according to EN 1110)
Water absorption	≤ 1%	(according to ASTM D-5147)
Watertightness	≥60 kPa	(EN 1928-1)
Permeability to water vapour	80'000 μ	(according to EN 1931)

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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.

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LEGAL NOTES

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SikaShieldE46PEEG4mm-en-EG-(03-2023)-2-7.pdf

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SikaShield® E46 PE EG 4 mm
March 2023, Version 02.07
020725101000000320