

PRODUCT DATA SHEET

SikaShield® P35 PE RT EG 4 kg/m²

Torch applied sheet waterproofing membrane **Antiroot** contains special chemical additives against root penetrations.

DESCRIPTION

SikaShield® P35 PE RT EG is a torch applied sheet waterproofing membrane on base of APP- polymerized bitumen, reinforced with Polyester non woven fabric, and faced with a PE-film on surface and on reverse to ease installation works. SikaShield® P35 PE RT EG contains special chemical additives against root penetrations.

USES

- Underground waterproofing of: tunnels, basements, pipes etc.
- Waterproofing of green roofs

FEATURES

- Resistant to ageing (under protection)
- Good tensile strength and elongation
- High resistance to water vapour permeability
- Dimensional stable
- Flexible at low temperatures
- Easy to install by using flame torch method
- Resistant to root penetration
- Must be installed on primed and smooth substrates of concrete or brickwalls

PRODUCT INFORMATION

Packaging	Roll size: 1.00 m (roll width) x 10.00 m (roll length).		
Shelf life	24 months from date of production		
Storage conditions	Rolls must be stored in their original package, in vertical position and under cool and dry conditions. They must be protected from direct sunlight, rain, snow and ice.		
Appearance and colour	Rolled sheet membrane, reinforced with Polyester non woven fabric Surface: PE-film, reverse: PE-film to ease installation works Colour: black		
Length	10.00 m (± 1%)		(EN 1848 - 1)
Width	1.00 m (±1%)		(EN 1848 - 1)
Mass per area	4.00 kg / m ² (± 5%)		(EN 1849 - 1)
Resistance to static loading	15kg		(EN 12730)
Resistance to root penetration	Pass		(EN 13948)
Tensile strength	<u>Longitudinal</u>	<u>650 N / 50mm (± 20%)</u>	(EN 12311 - 1)
	<u>Transversal</u>	<u>500 N / 50mm (± 20%)</u>	

Elongation	Longitudinal	40% (± 20%)	(EN 12311 - 1)
	Transversal	40% (± 20%)	
Dimensional stability	Longitudinal	≤ 0.2%	(EN 1107 - 1)
	Transversal	≤ 0.2%	
Flexibility at low temperature	≤ -5°C		(EN 1109)
Flow resistance	At elevated temperature: ≥ 120°C		(EN 1110)
Watertightness	≥ 60 kPa		(EN 1928 - B)
Water-vapour transmission rate	μ ≥ 20'000		(EN 1931)
Reaction to fire	E - class E		(EN 13501 - 1)
Ambient air temperature	+5°C min. / +35°C max.		
Relative air humidity	80% max.		
Substrate temperature	+5°C min. / +35°C max. no visible moisture		

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.

FURTHER INFORMATION

Notes on Application / Limitations

This product shall only be used by installers, skilled and experienced in installation of bituminous membranes.

Avoid damage on installed membrane while over torch of further sheet membrane. The watertightness of the structure must be tested and approved after completion of the membrane installation works according to the requirements of the client's specifications. The membrane is not UV - stable and can not be installed on structures permanently exposed to UV light and weathering.

ECOLOGY, HEALTH AND SAFETY

This product is an article within the meaning 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. Therefore, there are no registration requirements for substances in articles within the meaning of Article 7.1 of the Regulation.

Based on our current knowledge, this product does not contain SVHC (substances of very high concern) from the candidate list published by the European Chemicals Agency in concentrations above 0.1 % (w/w).

SUBSTRATE QUALITY

Concrete / brickwork / mortar screeds:
Clean, sound and dry, homogeneous, free from oils and grease, dust and loose or friable particles. Horizontal surfaces must be sloped > 1.5%.

APPLICATION METHOD / TOOLS

Installation procedure

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Priming

Apply the appropriate primer from the SikaBit® P or Sika® Igoflex® P range, at the correct consumption to the prepared dry surface and allow to dry before next application stage. Refer to the individual Product Data Sheets.

Alignment

Unroll, align and re-roll correctly before torching.

Overlaps

Side: 80-100 mm. End: 150 mm.

Fastening

SikaShield® P35 PE RT EG when used as a roofing base sheet, can be mechanically fixed on the substrate by using the correct type of fasteners. Contact Sika Technical Services for additional information.

Torching

Use a gas burner to heat the substrate and the backing film on the underside of membrane. When the backing film starts to melt, the membrane is ready to stick.

Roll the membrane forward and press firmly against the substrate to bond. Ensure a bead of melted bitumen is visible along the full length of the overlap sides and ends when laying.

Detailing

All details such as internal and external corners, up-stands, vent pipes, drains, support metalwork etc. must be cut and sealed effectively. Detailing must follow the recommended guidelines and good practice for torch-applied membranes.

Protection

The membrane must be protected from damage during any ongoing site activities.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

Sika Egypt

1st Industrial Zone (A)
Section #10, Block 13035
El Obour City, Egypt
TEL: +202 44810580
FAX: +202 44810459
egy.sika.com



Product Data Sheet
SikaShield® P35 PE RT EG 4 kg/m²
July 2023, Version 01.01
020920011990001938

SikaShieldP35PERTEG4kgm-en-EG-(07-2023)-1-1.pdf