

PRODUCT DATA SHEET

SikaShield® PB P12 PE 4 mm

Bituminous Protection board

DESCRIPTION

SikaShield® PB P12 PE 4 mm is a semi rigid pre-formed Protection Board made of modified bitumen membrane which is reinforced with strong reinforcement and coated with polyethylene film on both sides.

USES

- Excellent protection of waterproofing system.
- forms a protective layer against sharp stones when backfilling.
- protects the waterproofing systems from damage caused by impact of tools and equipment at the site.
- Avoids the need for masonry or screed protection

CHARACTERISTICS / ADVANTAGES

- Compatible with bituminous torch applied or self-adhesive membranes.
- Avoids the need for masonry or screed protection
- Resistant to corrosive salts in groundwater
- Can be applied vertically or horizontally
- Robust, durable and flexible

PRODUCT INFORMATION

Packaging	Size: Sheets 1.0 m x 2.00 m or rolls 1.0 m x 10.00 m					
Shelf life	24 months from the production date					
Storage conditions	should be stored in an upright position in a flat properly ventilated and protected against direct sunlight, rainwater, snow and ice etc.					
Appearance and colour	Surface: smooth Thickness: 4.00 mm Colour: Black Upper surface: covered with Polyolefin film. Lower surface: laminated with Polyolefin film.					
Thickness	4.00 mm ±10%	(ASTM 5417) EN 1849-1				
Resistance to impact	Load / Deflection ≥ 200 N (10 mm min.)	(ASTM E 154)				
Resistance to static puncture	10 Kg	(EN 12730)				
Resistance to dynamic perforation	750 mm	(EN 12730)				
Tensile strength	<table border="1"> <tr> <td>Longitudinal</td> <td>500 N/ 5 cm ± 25%</td> </tr> <tr> <td>Transverse</td> <td>300 N/ 5 cm ± 25%</td> </tr> </table>	Longitudinal	500 N/ 5 cm ± 25%	Transverse	300 N/ 5 cm ± 25%	(EN 12311-1)
Longitudinal	500 N/ 5 cm ± 25%					
Transverse	300 N/ 5 cm ± 25%					
Water absorption	Less than 1%	(ASTM D-570)				

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

SUBSTRATE QUALITY

In-situ concrete:

Clean, sound, smooth and dry, homogeneous, free from oils and grease, dust and loose or variable particles.

APPLICATION METHOD / TOOLS

SikaShield® PB P12 PE is installed over waterproofing membranes. It can be easily cut with a cutter and can be shaped to fit any profile. The board is semi-rigid in order to facilitate shaping and installation. Depending on the waterproofing system, the board may be welded into position using a gas torch or held in place by a compatible cold bituminous adhesive. On vertical applications SikaShield® PB P12 PE should be held in place by spot bonding.

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® PB P12 PE 4 mm
March 2023, Version 01.02
02072580100000031

SikaShieldPBP12PE4mm-en-EG-(03-2023)-1-2.pdf