

PRODUCT DATA SHEET

SikaShield® PB P15 PE 4 mm

A SEMI-FLEXIBLE 4 MM PROTECTION AND RECOVERY BOARD

DESCRIPTION

SikaShield® PB P15 PE 4 mm is a tough semi-flexible, rot-proof, durable pre-molded bitumen based board with the top surface covered with a thin polyethylene film (PBS) and the underside covered with a thin easy torched poly-ethylene film. Suitable for use in hot and tropical climatic conditions.

USES

SikaShield® PB P15 PE 4 mm is suitable for a variety of applications in below or above ground waterproofing as well as, Roofing, new and renovation projects as a recovery board. Waterproofing system protection board within civil works.

CHARACTERISTICS / ADVANTAGES

- Very low water absorption.
- Non invasive. Compatible with Sikalastic®-600 Series, Sikalastic®-800 series and SikaBit® ranges of products.
- Withstands site abuse and impact from backfilling operations as well as effective protection against construction traffic, concreting and other topping work.
- Maintains shape stability at high temperatures and retains flexibility at low temperatures.
- It is tough, rot proof and non-bio degradable. It is unaffected by permanent Immersion in water.
- Resistant to salts, chlorides and other chemicals normally found in soils.
- Semi-flexible can be bent to normal contours without cracking while rigid enough to hold as a board on vertical surfaces.
- High puncture and impact resistance.

PRODUCT INFORMATION

Packaging	1 m x 2 m board, 175 boards per pallet.	
Shelf life	2 years from date of production if stored properly in original unopened packaging.	
Storage conditions	Boards must be stored in their original package, and under cool and dry conditions between temperatures of +5 °C and +35 °C. They must be protected from direct sunlight, rain, snow and ice.	
Appearance and colour	Black	
Length	2 m ± 1 %	
Width	1 m ± 1 %	
Effective thickness	4 mm ± 0.2 mm	(ASTM D5147)
Mass per area	5.5 kg/m ² ± 10 %	(EN 1849-1)
Resistance to impact	≥700 mm 1200 N, 32 mm	(EN 12691) (ASTM D5147) (Puncture Resistance)

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.

APPLICATION METHOD / TOOLS

SikaShield® PB P15 PE 4 mm should be installed in butt joints continuously over the waterproofing material staggering the joints whenever possible. Cut the SikaShield® PB P15 PE 4 mm with roofer's knife as required to obtain complete coverage and neat overall finish.

On horizontal surfaces, SikaShield® PB P15 PE 4 mm can be placed loose directly on the waterproofing membrane or coating while spot bonding with adhesive patches of SikaProof® FixTape-50 on the edges to avoid slippage.

On vertical surfaces the SikaShield® PB P15 PE 4 mm can be fixed in two ways: Cold adhesion by spot bonding with adhesive Strips of SikaProof® FixTape-50. Heated application by slightly burning the underside of the board away from the surface and quickly pressing it.

A temporary support might be necessary until the backfilling starts. During backfilling care must be taken to ensure the board is not dragged down.

LIMITATIONS

Do not use with PVC based membranes, for example, Sikaplan® WP range. SikaShield® PB P15 PE 4 mm to be loose laid in conjunction with Sikalastic®-600 and Sikalastic®- 800 product ranges.

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

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.