

PRODUCT DATA SHEET

SikaShield® P02 PE Rollbase 2 kg/m²

Plastomeric modified bituminous roof membrane separation layer
(Formerly **Index** Rollbase 2kg/m²)

DESCRIPTION

SikaShield® P02 PE Rollbase 2 kg/m² is an APP modified bituminous separation layer used as a base sheet for torch applied bituminous roof membranes which cannot be directly applied to the roof substrate. The membrane can be applied using various application methods to wood or metal substrates with or without existing waterproofing membranes. The underside is coated with an exposed non-woven polyester fabric which is absorbent and traps any residual moisture from wooden substrates or old waterproofing membranes. It is reinforced with fibreglass to ensure dimensional stability. Top surface finish: polyethylene film. Weight: ~2,0 kg/m²

USES

The Product is used as a waterproofing membrane for:

- Flat or sloping roofs

Roof waterproofing accessory for:

- Flat and sloped roofs as a base sheet and/or water vapour transmission layer for torch applied bituminous roof membranes

CHARACTERISTICS / ADVANTAGES

- Several methods of application: mechanically fixed, torch applied, cold bitumen adhesive or hot bitumen
- Flexibility at low temperature: ≤ -10 °C
- Good tensile and elongation
- High tear resistance
- Good water vapour transmission

APPROVALS / CERTIFICATES

- CE Marking and Declaration of Performance based on EN 13970 - Bitumen water vapour control layers
- CE marking and declaration of performance based on EN 13707:2004+A2:2009 Flexible sheets for waterproofing — Reinforced bitumen sheets for roof waterproofing

PRODUCT INFORMATION

Composition	Composition Reinforcing material	APP modified bitumen Fibreglass mat coupled with “non-woven” polyester fabric
Packaging	Roll width Roll length Refer to current price list for packaging variations.	1.05 m 10.0 m (EN 1848-1)
Shelf life	36 months from date of production	
Storage conditions	The Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Protect the Product from direct weather exposure and sunlight. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or un-	

der pallets of any other materials during transport or storage. Always refer to packaging.

Appearance and colour	Top surface	Polyethylene film
	Backing	Non-woven polyester fabric
Mass per area	2,0 kg/m ² ± 0,2 kg/m ²	(EN1849-1)

TECHNICAL INFORMATION

Tensile strength	Longitudinal	500 N/50 mm ± 100 N/50 mm	(EN12311-1)
	Transversal	350 N/50 mm ± 70 N/50 mm	
Elongation	Longitudinal	50 % ± 15 %	(EN12311-1)
	Transversal	50 % ± 15 %	
Tear strength	Longitudinal	200 N ± 60 N	(EN12310-1)
	Transversal	200 N ± 60 N	
Flexibility at low temperature	≤ -10 °C		(EN 1109)
Watertightness	60 kPa		(EN 1928-Method A)
Water-vapour transmission rate	μ = 100 000 ± 20 %		(EN 1931)

APPLICATION INFORMATION

Ambient air temperature	Minimum	+5 °C
	Maximum	+40 °C
Substrate temperature	Minimum	+5 °C
	Maximum	+40 °C

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.

IMPORTANT CONSIDERATIONS

- At low temperatures, take care unrolling to avoid damaging the membrane.
- Use suitable footwear to avoid puncturing the membrane.
- Do not over-torch the membrane otherwise the polyester reinforcement (which melts at +260 °C) will be damaged making the membrane un-useable.
- If membrane is insufficiently heated, this can cause reduced adhesion to the substrate, between layers or on the overlaps. If this occurs, un-bonded areas must be lifted and re-torched.
- If a seasonal symbol is printed on the roll's label, it is advisable to use the membrane during the indicated season.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 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. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up. Complete roof system must be designed and secured against wind uplift loadings. The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, free of grease, bitumen, oil, dust and loosely adhering particles.

SUBSTRATE PREPARATION

Use the appropriate preparation equipment to achieve the required substrate quality.

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.

Alignment

Unroll, align and re-roll correctly before permanently installing.

Overlaps

Side: 100mm. End: 150 mm.

Fastening

SikaShield® P02 PE Rollbase 2 kg/m² can be mechanically fixed on the substrate by using large-headed fasteners. Contact Sika® Technical Services for additional information.

Torch-on overlaps

When allowed by the substrate, the overlaps are sealed using a gas burner. Over wood deck do not use torching: the overlaps should be nailed down every 10 cm with 1cm large-head nails.

Hot bitumen or cold bitumen adhesive bonding

Apply the appropriate product from the SikaBit® Hot Melt or Sika® Igoflex® range, at the correct consumption to the prepared substrate. Refer to the individual Product Data Sheets.

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 declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

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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April 2023, Version 01.02

020920012010000025

SikaShieldP02PERollbase2kgm-en-AU-(04-2023)-1-2.pdf