

PRODUCT DATA SHEET

SikaProof® P-1200

FPO sheet membrane for post-applied fully bonded below ground waterproofing

DESCRIPTION

SikaProof® P-1200 is a polyolefin FPO sheet membrane for post-applied fully bonded below ground waterproofing of existing reinforced concrete structures. Membrane thickness 1,2 mm. The membrane is installed onto an adhesive coated concrete substrate which is applied just before installing the membrane. The membrane and adhesive is cold applied without heat or open flames onto cured concrete.

USES

SikaProof® P-1200 may only be used by experienced professionals.

Damp-proofing, waterproofing and concrete protection for basements and other below ground structures against ground water ingress. Suitable for use on:

- Horizontal reinforced concrete slabs, decks and podiums
- Vertical reinforced concrete walls
- Extensions and reconstruction works
- Prefabricated structures

FEATURES

- Post-applied, fully bonded on existing reinforced concrete structures
- No lateral water underflow between the concrete structure and the membrane system
- High flexibility and crack-bridging
- Validated high watertightness
- Easy to install with fully adhered joints (no welding required)
- Cold applied (no heat or open flames)
- Good tear and impact resistant properties
- Temporarily resistant to weathering and UV-light during construction
- Highly durable and resistant to aging
- Resistant to aggressive elements in natural ground water and soil
- Can be combined with other approved Sika Waterproofing / Joint Sealing Systems

CERTIFICATES AND TEST REPORTS

- CE Marking and Declaration of Performance to EN 13967 - Flexible sheets for waterproofing - Damp proofing and basement tanking, No.58623925
- Functional Testing, SikaProof® P-1201 & Sikadur Combiflex®, WISSBAU, Test Report No. 2016-397
- Radon Diffusion, SikaProof® P-1201, Dr Kemski, Test Report No.2017061601e

PRODUCT INFORMATION

Composition	Membrane Layer	Flexible Polyolefin (FPO)
Packaging	Rolls wrapped individually in a yellow PE-film.	
	Length	20 m
	Width	1,00 m
Appearance and colour	Light yellow sheet membrane.	
Shelf life	24 months from date of production	

Storage conditions	Product must be stored in original unopened and undamaged sealed packaging in dry conditions and temperatures between +5 °C and +30 °C. Store in a horizontal position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.		
Product declaration	EN13967: Flexible sheets for waterproofing – Damp proofing and basement tanking		
Effective thickness	1,20 mm (-5 / +10 %)		(EN 1849-2)
Mass per area	1,20 kg/m ² (-5 / +10 %)		(EN 1849-2)

TECHNICAL INFORMATION

Resistance to impact	≥ 400 mm	Method A	(EN 12691)
Resistance to static loading	≥ 20 kg		(EN 12730)
Resistance to root penetration	Pass		(CEN/TS 14416)
Tensile strength	Machine direction	≥ 12,0 N/mm ²	(EN 12311-2)
	Cross direction	≥ 12,0 N/mm ²	
Modulus of elasticity in tension	≤ 60 N/mm ² (±10 %)		(EN ISO 527-3)
Elongation	≥ 450 %		(EN 12311-2)
Resistance to tear	Machine direction	≥ 135 N	(EN 12310-1)
	Cross direction	≥ 135 N	
Reaction to fire	Class E		(EN 13501-1)
Accelerated ageing in alkaline environment	Pass (28 d/+23 °C)		(EN 1847)
Watertightness	Pass (Method B, 24h / 60 kPa)		(EN 1928)
Durability of watertightness against ageing	Pass (12 weeks)		(EN 1296)
Durability of watertightness against chemicals	Pass (28 days/+23 °C)		(EN 1847)
Service temperature	-10 °C min. / +35 °C max.		

APPLICATION INFORMATION

Dew point	The substrate temperature must be at least +3 °C above the dew point to reduce the risk of condensation
Substrate moisture content	≤ 4 % parts by weight.

SYSTEM INFORMATION

System structure	The following system products must be used: ▪ SikaProof® P-1200 sheet membrane ▪ SikaProof® Adhesive-01 Ancillary products: ▪ Accessories and complementary products are available to provide detailing and connection solutions.
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BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER DOCUMENTATION

- Sika Method Statement: In-Situ Adhered Membranes SikaProof P-1201System

IMPORTANT CONSIDERATIONS

Installation work must only be carried out by Sika trained, approved or competent contractors experienced in this type of application.

- SikaProof® P-1200 membrane must be protected with appropriate protection sheets as soon as possible or at the latest before backfilling or within 90 days after installation.
- To ensure the most suitable type of membrane is selected for the project, refer to section 4 'Project Design' of the Sika Method Statement: SikaProof® P-1201 System or contact Sika® Technical Services for more information.

ECOLOGY, HEALTH AND SAFETY

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

Refer to Sika Method Statement: In-Situ Adhered Membranes SikaProof® P-1201 System

APPLICATION

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

Reference must be made to Sika Method Statement: In-Situ Adhered Membranes SikaProof® P-1201 System

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

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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ISO 9001, 14001, 45001 – SGS:
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- Sika Saudi Arabia Limited
- Sika MB Construction Chemicals for Manufacturing LLC
- Master Builders Solutions LLC

All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and ISO 45001.



Product Data Sheet

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