



PRODUCT DATA SHEET

SikaProof® P-1200

FPO SHEET MEMBRANE FOR POST-APPLIED FULLY BONDED BELOW GROUND WATERPROOFING

PRODUCT DESCRIPTION

SikaProof® P-1200 is a flexible, homogeneous sheet waterproofing membrane based on flexible polyolefine (FPO) technology. Use with SikaProof® Adhesive-11H (horizontal applications) or SikaProof® Adhesive-11V (vertical applications) to create the SikaProof® P-1201 fully bonded, post-applied composite sheet membrane waterproofing system for reinforced concrete structures.

WHERE TO USE

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

CHARACTERISTICS / ADVANTAGES

- 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
- 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

APPROVALS / CERTIFICATES

- 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

CSC MasterFormat®	07 13 00 SHEET WATERPROOFING	
Composition / Manufacturing	Membrane Layer	Flexible Polyolefin (FPO)
Packaging	Rolls wrapped individually in a yellow PE-film.	
	Length	20 m
	Width	1.00 m

Appearance / Colour	Light yellow sheet membrane with embossed surface on one side.	
Shelf Life	24 months from date of production	
Storage Conditions	Dry storage at temperature from 5 °C up to 30 °C. Protect from direct sunlight, rain, snow, ice, humidity, etc.. Store in a horizontal position. Do not stack pallets of the membrane rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	
Effective Thickness	1.20 mm (-5 / +10 %)	(ASTM D3767)
Mass per unit area	1.20 kg/m ² (-5 / +10 %)	

TECHNICAL INFORMATION

Resistance to Impact	≥ 400 mm 190 lbs (no puncture)	(EN 12691, Method A) (ASTM E154)
Resistance to Static Load	≥ 20 kg	(EN 12730)
Resistance to Root Penetration	Pass	(CEN/TS 144416)
Tensile Strength	≥ 13.8 N/mm ² (2,000 psi min.)	(ASTM D412)
Modulus of Elasticity in Tension	≤ 60 N/mm ² (±10 %)	(EN ISO 527-3)
Elongation	≥ 500 %	(ASTM D412)
Resistance to Tear	Machine direction ≥ 135 N Cross direction ≥ 135 N	(EN 12310-1)
Accelerated Ageing in Alkaline Environment	Pass (28 d/+23 °C)	(EN 1847)
Water Vapour Transmission	3.45 x 10 ⁹ g/Pa.S.m ² (0.06 perms)	(ASTM E96)
Watertightness	Pass (Method B, 24h / 60 kPa) Pass, up to 7 bar (234 ft) (SikaProof® P-1201 system)	(EN 1928) (ASTM D5385)
Resistance to lateral water migration	Pass 7 bar (234 ft) (SikaProof® P-1201 system)	(ASTM D5385 modified)
Durability of Watertightness against Chemicals	Pass (28 days / 23 °C)	(EN 1847)

SYSTEMS

System Structure	SikaProof® P-1200 is part of the SikaProof® P-1201 System:	
	Waterproofing Membrane	SikaProof® P-1200
	Adhesives	SikaProof® Adhesive-11V or SikaProof® Adhesive-11H
	Ancillary products:	
	▪ Accessories and complementary products are available to provide detailing and connection solutions.	

APPLICATION INFORMATION

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

BASIS OF PRODUCT DATA

Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.

OTHER DOCUMENTS

- Sika Method Statement: In-Situ Adhered Membranes SikaProof P1201System

LIMITATIONS

- Installation work must only be carried out by Sika trained, approved or competent contractors experienced in this type of application.
- Protect the SikaProof® P-1200 membrane against mechanical damage immediately after the installation is completed.
- SikaProof® P-1200 membrane is not permanently UV and weather resistant. It must be protected at the latest 3 months (90 days) after installation.

ENVIRONMENT, HEALTH & SAFETY

HAZARDOUS PRODUCT ACT - SECTION 2

This product is a manufactured article that does not require Safety Data Sheets to be marketed, transported or applied at the jobsite, according to the Hazardous Product Act - Section 2. Based on our current knowledge, this product is not classified as dangerous and does not contain any hazardous materials. Always wear personal protective equipment (including safety goggles and gloves) to manipulate and install Sika® products.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

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

APPLICATION METHOD / TOOLS

SikaProof® P-1200 is a component of the SikaProof® P1201 post applied sheet membrane waterproofing system. For more information and guidance please refer to the current System Data Sheet and the current Method Statement for the SikaProof® P-1201 System, which must always be adjusted to the actual site conditions.

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 recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. 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 or may be downloaded from our website at: www.sika.ca

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Product Data Sheet

SikaProof® P-1200
March 2021, Version 03.01
02072030100000014

