

## PRODUCT DATA SHEET

# SikaProof® A+ 08

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

### PRODUCT DESCRIPTION

SikaProof® A+ 08 is a polyolefin (FPO) based sheet membrane for below ground waterproofing of reinforced concrete structures. The membrane can be pre or post-applied. A special hybrid bonding layer on the membrane forms a full and permanent dual bond with the concrete structure. Joints are sealed with cold-applied tapes. The total thickness is 1.35 mm with a 0.8 mm thick waterproofing layer.

### USES

SikaProof® A+ 08 is used for:

- Damp-proofing, waterproofing and concrete protection for basements and other below-ground concrete structures.
- Precast reinforced concrete structures
- Cast-in-place reinforced concrete structures
- Existing reinforced concrete structures

### CHARACTERISTICS / ADVANTAGES

- Dual bond: full and permanent mechanical and chemical bond with the concrete structure
- Can be used as a pre and post-applied system
- No lateral water migration between concrete and membrane
- Fast and easy installation
- High flexibility and crack-bridging capabilities
- High watertightness tested according to various standards
- Good resistance to aggressive conditions in natural ground water and soil
- Temporarily resistant to weathering and UV exposure
- Can be combined with other approved Sika® waterproofing and joint sealing systems

### ENVIRONMENTAL INFORMATION

- Specific Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by BRE Global
- Contributes towards satisfying Materials and Resources (MR) Credit: Building product disclosure and optimization — Environmental Product Declarations under LEED® v4
- Contributes towards satisfying Materials and Resources (MR) Credit: Building Product Disclosure and Optimization — Material Ingredients under LEED® v4

### APPROVALS / STANDARDS

- CE marking and declaration of performance based on EN 13967:2012 Flexible sheets for waterproofing — Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet — Definitions and characteristics
- Watertightness functional test PG FBB Part 1, WISS-BAU, Test report No. 2019-231-5-1
- Watertightness functional test PG FBB Part 1, WISS-BAU, Test report No. 2019-231-4-1

## PRODUCT INFORMATION

<b>Chemical Base</b>	Membrane Layer	Flexible Polyolefin (FPO)
	Hybrid Layer	Cement modified polymer
<b>Packaging</b>	Roll width	1.00 m or 2.00 m
	Roll length	25 m
Refer to the current price list for available packaging variations.		
<b>Colour</b>	Top layer colour	Light yellow
	Bottom layer colour	Grey
<b>Shelf Life</b>	24 months from date of production	
<b>Storage Conditions</b>	The 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 the packaging.	
<b>Effective Thickness</b>	Total Thickness (=deff)	(1.35 +0.14 / -0.07) mm (EN 1849-2)
	Thickness Waterproofing Layer	(0.80 +0.08 / -0.04) mm
<b>Mass per unit area</b>	(1.20 +0.12 / -0.06) kg/m <sup>2</sup> (EN 1849-2)	

## TECHNICAL INFORMATION

<b>Resistance to Impact</b>	Method A, Hard support	≥ 300 mm	(EN 12691)
	Method B, Soft support	≥ 300 mm	
<b>Tensile Strength</b>	Longitudinal (MD)	≥ 500 N/50 mm	(EN 12311-2)
	Transversal (CMD)	≥ 500 N/50 mm	
<b>Joint Shear Resistance</b>	≥ 100 N/50 mm		(EN 12317-2)
<b>Reaction to Fire</b>	Class E		(EN 13501-1)
<b>Accelerated Ageing in Alkaline Environment Tensile Strength</b>	Tested for 28 days at +23 °C	Pass	(EN 1847)
	Tested for 24 hours at 60 kPa	Pass	(EN 1928)
<b>Water Tightness</b>	Method B, 24 hours at 60 kPa	Pass	(EN 1928)
<b>Durability of Water Tightness against Ageing</b>	Aged 12 weeks at +70 °C, tested 24 hours at 60 kPa	Pass	(EN 1928; EN 1296)
<b>Durability of Water Tightness against Chemicals</b>	Calcium hydroxide, aged 28 days at +23 °C, tested 24 hours at 60 kPa	Pass	(EN 1928; EN 1847)
<b>Service Temperature</b>	Maximum	+35 °C	
	Minimum	-10 °C	
<b>Adhesion in peel</b>	≥ 80 N / 50 mm to concrete after 28 days		(DIN EN 1372)
<b>Resistance to lateral water migration</b>	Up to 7 bar	Pass	(ASTM D5385 / D5385M)

Elongation at maximum tensile force	Longitudinal (MD)	≥ 1000 %	(EN 12311-2)
	Transversal (CMD)	≥ 1000 %	

## APPLICATION INFORMATION

Ambient Air Temperature	Maximum	+45 °C
	Minimum	+5 °C
Substrate Temperature	Maximum	+60 °C
	Minimum	+5 °C

## SYSTEM INFORMATION

System Structure	The following products are part of the pre-applied system:	
	<ul style="list-style-type: none"> <li>▪ SikaProof® A+ 08 sheet membrane</li> <li>▪ SikaProof® Tape A+ N for detailing and for internal jointing</li> <li>▪ SikaProof® Sandwich Tape</li> </ul>	
	The following products are part of the post-applied system:	
	<ul style="list-style-type: none"> <li>▪ SikaProof® A+ 08 sheet membrane</li> <li>▪ SikaProof® Primer-02</li> <li>▪ SikaProof® Adhesive-02</li> <li>▪ SikaProof® ExTape-100</li> </ul>	
Complementary products are available for detailing and joint solutions.		

## VALUE BASE

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 DOCUMENTS

- Method Statement - SikaProof® A+
- Application manual SikaProof® A+
- Application Manual SikaProof® A+ Post-Applied

## 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 this 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

### APPLICATION

#### IMPORTANT

#### Strictly follow installation procedures

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

#### IMPORTANT

#### Exposure to UV or weathering

The Product is not resistant to permanent UV exposure or weathering.

1. Protect as soon as possible but not later than 90 days after application

For information on application, refer to the following Sika® method statement:

- Method Statement - SikaProof® A+

## 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 the 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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### Product Data Sheet

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