

PRODUCT DATA SHEET

SikaProof® A+ 08

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

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 membrane thickness of 0.80 mm.

USES

The Product is used for:

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

SUSTAINABILITY

- Environmental Product Declaration (EPD) in accordance with EN 15804. EPD independently verified by BRE Global

APPROVALS / CERTIFICATES

- 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

Composition	Membrane Layer	Flexible Polyolefin (FPO)
	Hybrid Layer	Cement modified polymer
Packaging	Roll width	Roll length
	1.00 m or 2.00 m	25 m
Refer to the current price list for available packaging variations.		
Shelf life	18 months from date of production	

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Storage conditions	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 on top of each other.		
Appearance and colour	Membrane layer	Light yellow	
	Bonding layer	Grey	
Effective thickness	Total Thickness (=deff)	(1.35 +0.14 / -0.07) mm	(EN 1849-2)
	Membrane Thickness	(0.80 +0.08 / -0.04) mm	
Mass per area	(1.20 +0.12 / -0.06) kg/m ²		(EN 1849-2)

SYSTEM INFORMATION

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

Resistance to impact	≥ 300 mm		(EN 12691)
Tensile strength	Longitudinal (MD) Method A	≥500 N / 50mm	(EN 12311-2)
	Transversal (CMD) Method A	≥500 N / 50mm	
Elongation at break	Longitudinal (MD) Method A	≥1000 %	(EN 12311-2)
	Transversal (CMD) Method A	≥1000 %	
Adhesion in peel	≥80 N / 50 mm to concrete after 28 days		(DIN EN 1372)
Joint shear resistance	≥100 N / 50mm		(EN 12317-2)
Service temperature	Maximum	+35 °C	
	Minimum	-10 °C	
Watertightness	Method B 24 h 60 kPa	Pass	(EN 1928)
Resistance to lateral water migration	Up to 7 bar	Pass	(ASTM D5385 / D5385M)
Accelerated ageing in alkaline environment	28 d +23 °C	Pass	(EN 1847)
	Method B 24 h 60 kPa	Pass	(EN 1928)
Durability of watertightness against chemicals	28 d +23 °C	Pass	(EN 1847)
	Method B 24 h	Pass	(EN 1928)
Durability of watertightness against ageing	12 Weeks	Pass	(EN 1847)
	Method B 24 h 60 kPa	Pass	(EN 1928)
Reaction to fire	Class E		(EN 13501-1)

APPLICATION INFORMATION

Ambient air temperature	Maximum	+45 °C
	Minimum	+5 °C
Substrate temperature	Maximum	+60 °C
	Minimum	+5 °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.

FURTHER INFORMATION

- Sika Method Statement: SikaProof® A+
- Sika Application Manual: SikaProof® A+ Pre-Applied
- Sika Application Manual: SikaProof® A+ Post-Applied

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 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

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.

APPLICATION

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

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

- Sika Method Statement: SikaProof A+

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

Any information or suggestions for use concerning Sika's products, which we either in writing or orally have given buyers or end-users of the product, have been given in good faith based on our own experiences and based on approved praxis and the technological and scientific knowledge on the time of giving such suggestions and information, which are given without any type of guarantees, and which do not lead to any further responsibility from Sika Danmark A/S, besides what is stated in the sales agreement in question. The buyer or end-user should themselves investigate or otherwise make sure, that our products are suitable for the use in question and further make sure that the products are kept and used correct and in agreement with the published rules and considering the actual conditions in order to avoid damages or less satisfactory results. Any order is accepted and any deliverance is affected according to the general terms of sales and delivery from Sika Danmark A/S, which are considered known and accepted, and which could be handed out when asked for. Our catalogues are not up-dated automatically. The present product data sheet is only for use in Denmark. Values stated in the present product data sheet should be seen as recommended, unless stated otherwise.

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