BUILDING TRUST

PRODUCT DATA SHEET

Sarnafil® AT-18 FSA P

1.8 mm thick polymeric self-adhered FPO detailing accessory for waterproofing roof parapets

DESCRIPTION

Sarnafil® AT-18 FSA P (thickness 1.8 mm) is a premium multi-layer, self-adhesive, synthetic accessory used in roof waterproofing. It is based on elastomer modified flexible polyolefin (FPO) with internal Polyester reinforcement, glass non-woven inlay and fleece backing. The product is hot air weldable, UV-stabilised with extrenal fire performance. Can be applied in all climatic zones.

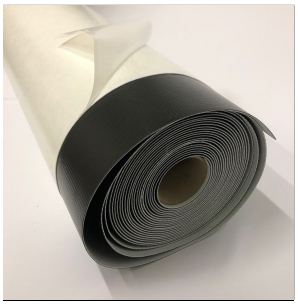
USES

Sarnafil® AT-18 FSA P may only be used by experienced professionals.

Sarnafil® AT-18 FSA P is used as a waterproofing membrane in the following roofing applications:
- Self-adhered upstand

FEATURES

- Highly flexible membrane allows for easy application
- High durability and long service life
- Self-adhering membrane improves application speed
- Hot-air welding application avoids fire risk
- White coloured membranes reduce air conditioning costs by reducing heat transmission into the building
- UV-stabilised product with increased service life in areas with high UV-exposure



PRODUCT INFORMATION

Composition	Flexible polyolefins (FPO)	
Packaging	Refer to the current price list for available packaging variations.	
Colour	Top layer colour	beige, window grey (~RAL 7040), traffic white (~RAL 9016)
	Bottom layer colour	dark grey
Shelf life	18 months from date of production	
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 of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to the packaging.	
Visible defects	Pass	(EN 1850-2)
Effective thickness	1.8 mm (+0.18 mm / -0.09 mm)	(EN 1849-2)

Mass per area	2.3 kg/m² (+0.23 kg/m² / -0.12 kg/m²)	(EN 1849-2)
Appearance	matt	

TECHNICAL INFORMATION

Reaction to fire	Class E		(EN 13501-1)
Chemical resistance	Resistant to specific chemicals. Contact Sika Technical Services for additional information.		(EN 1847)
Exposure to bitumen	Bitumen compatibility	Pass	(EN 1928; EN 1548)
Resistance to UV exposure	> 5000 hours UV exposure	Grade 0	(EN 1297)
Diffusion resistance to water vapour	Resistance factor, Method A, tested at +23 °C and 75 % r.h.	μ = 190 000	(EN 1931)
Watertightness	Method B: at 10 kPa	Pass	(EN 1928)

APPLICATION INFORMATION

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

SYSTEM INFORMATION

System structure

Substrate	Primer
PIR glass tissue phased	SikaRoof® Primer-600 or SikaRoof® Primer-780
PIR aluminium phased	No priming required
EPS (≥ 20 kg/m³ density, compressive strength >100 kPa)	No priming required
Mineral wool (glass tissue phased, compressive strength >80 kPa)	SikaRoof® Primer-600 or SikaRoof® Primer-780
Metal composite panel (only approved panels)	No priming required
Bitumen (sanded or slated)	SikaRoof® Primer-600
Galvanized steel	No priming required
OSB 3 or Plywood	SikaRoof® Primer-600 or SikaRoof® Primer-780
Concrete	SikaRoof® Primer-600 or SikaRoof® Primer-780

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

- Application Manual Sarnafil® AT.

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

EQUIPMENT

HOT-WELDING OVERLAP SEAMS
- Electric hot-air welding equipment such as hand-held, manual hot-air welding equipment and pressure rollers
- Automatic hot-air welding machines with controlled hot-air temperature capability of a minimum +600 °C

Recommended equipment:

Manual	Leister Triac
Automatic	Varimat

SUBSTRATE PREPARATION

The substrate surface must be smooth and uniform.
1. Remove any sharp protrusions or burrs from the substrate.
2. If contaminants such as grease or dust are present, clean the supporting layer.
3. Depending on the substrate, apply the required primer as described in System structure.
4. Ensure that the supporting layer is dry.

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
Application by trained personnel
The application of this Product must only be carried out by an applicator that is trained or approved by Sika. The applicator must also be experienced in this type of application.

SUBSTRATE PRIMING
1. Apply primer to the substrate in accordance with the primer's PDS if required.

SELF ADHERED ROOF JUNCTIONS, FLASHINGS OR UP-STANDS
1. Unroll the membrane and remove the release liner along the side until halfway.
2. Mark the final upper parapet edges.
3. Attach the membrane to the final parapet position using the self-adhesive back side, followed by removing the other half of the release liner.
4. Use a hand-held pressure roller and press the membrane evenly and thoroughly onto the surface.
5. Close adhesive-free overlaps by hot-air welding machine.

HOT-WELDING OVERLAP SEAMS
Overlap seams must be welded by electric hot-welding equipment. Prior to welding, welding parameters including temperature, machine speed, air flow, pressure, and machine settings must be evaluated, adapted and checked on site according to the type of equipment and the climatic conditions. The effective width of overlaps welded by hot air must be a minimum of 20 mm.
TESTING OVERLAP SEAMS
1. Mechanically test seams with a rounded-edge screwdriver to ensure the integrity and completion of the weld.
2. Rectify any imperfections using hot-air welding.

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.

Sika Gulf B.S.C. (c)
Tel: +973 177 38188
Email: info@bh.sika.com
Sika Kuwait Cons. Mat. & Paints Co WLL
Tel: +965 22 282 296
Email: sika.kuwait@kw.sika.com
Web: gcc.sika.com

Sika UAE LLC
Sika MB Construction Chemicals LLC
Sika International Chemicals LLC
Tel: +971 4 439 8200
Email: info@ae.sika.com
Web: gcc.sika.com

Sika Saudi Arabia Limited
Sika Construction Chemicals for Manufacturing LLC
Riyadh / Jeddah / Dammam / Kaitgh
Tel: +966 9200 22167
Email: info@sa.sika.com
Web: gcc.sika.com

Sika LLC - Oman
Sika MB LLC
Tel: +968 22 826 500
Email: info@om.sika.com
Web: gcc.sika.com