

## PRODUCT DATA SHEET

# Sarnafil® AT-18 FSA P

POLYMERIC SELF-ADHERED DETAILING SHEET FOR SARNAFIL® AT ROOF WATERPROOFING MEMBRANES

### PRODUCT DESCRIPTION

Sarnafil® AT-18 FSA P is a reinforced multi-layer, self-adhesive, synthetic roof waterproofing sheet based on flexible polyolefins (FPO). Sarnafil® AT-18 FSA P is a hot air weldable, UV-resistant roof detailing membrane for upstands.

### USES

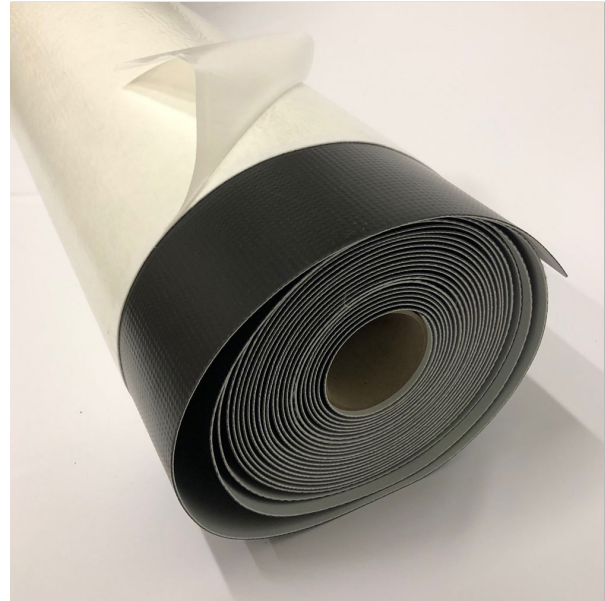
Sarnafil® AT-18 FSA P may only be used by experienced professionals.

Self-adhered membrane for the exposed application on roofing upstands:

- Hot air welded to the installed Sarnafil® T / Sarnafil® AT roof waterproofing membranes

### CHARACTERISTICS / ADVANTAGES

- Fast installation of membrane
- Resistant to permanent UV exposure
- Resistant to most common environmental influences
- High dimensional stability due to glass fleece inlay
- Resistant against impact load and hail
- Resistant to micro organisms
- Resistant to old bitumen
- Hot air welding without use of open flame



## PRODUCT INFORMATION

<b>Chemical Base</b>	Flexible polyolefins (FPO)	
<b>Packaging</b>	Standard rolls are wrapped individually in blue PE-foil.	
	<u>Packing unit</u>	<u>Refer to price list</u>
	<u>Roll length</u>	<u>15,00 m</u>
	<u>Roll width</u>	<u>0,33 m, 0,50 m, 0,66 m (includes one welding overlap of 0,15 m) 1,00 m (includes two welding overlaps of 0,15 m - left and right side)</u>
	<b>Roll weight</b>	
	<u>0,33 m</u>	<u>11,4 kg</u>
	<u>0,50 m</u>	<u>17,3 kg</u>
	<u>0,66 m</u>	<u>22,8 kg</u>
	<u>1,00 m</u>	<u>34,5 kg</u>
	Refer to current price list for packaging variations	
<b>Shelf Life</b>	18 months from date of production.	
<b>Storage Conditions</b>	Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +30 °C. 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.	
<b>Appearance / Colour</b>	<u>Surface</u>	<u>matt</u>
	<u>Colour</u>	<u>~RAL 7040 (window grey)</u>
	<u>Bottom surface</u>	<u>black</u>
<b>Visible Defects</b>	Pass	(EN 1850-2)
<b>Length</b>	15,00 m (-0 % / +5 %)	(EN 1848-2)
<b>Width</b>	0,34 m, 0,5 m, 0,66 m, 1,0 m (-0,5 % / +1 %)	(EN 1848-2)
<b>Effective Thickness</b>	1,8 mm (-5 % / +10 %)	(EN 1849-2)
<b>Mass per unit area</b>	2,3 kg/m <sup>2</sup> (-5 % / +10 %)	(EN 1849-2)
<b>TECHNICAL INFORMATION</b>		
<b>Flexibility at low temperature</b>	≤ -50 °C	(EN 495-5)
<b>Water Tightness</b>	Pass	(EN 1928)

<b>Water Vapour Transimission</b>	$\mu = 190\ 000$	(EN 1931)
<b>Exposure to Bitumen</b>	Pass <sup>1)</sup> <small><sup>1)</sup> Sarnafil® AT is compatible with old bitumen</small>	(EN 1548)
<b>Effect of Liquid Chemicals, Including Water</b>	Resistant to many chemicals. Contact Sika Technical Services for additional information.	(EN 1847)
<b>UV Exposure</b>	Pass (> 5000 h / grade 0)	(EN 1297)
<b>Reaction to Fire</b>	Class E	(EN ISO 11925-2, classification to EN 13501-1)

## SYSTEM INFORMATION

### System Structure

The following products must be considered for use depending on roof design:

- Sarnafil® T Metal Sheet
- Sarnabar®
- Sarnafil® T Welding Cord
- Sarnafil® T Prep / Sarnafil® T Wet Task Set
- Sarnafil® T Clean

#### Substrate

Sikatherm PIR GT

OSB 3/Plywood

Concrete

Sikatherm Mineral wool

Metal composite panel

Metal (Aluminium, galvanized steel)

Bitumen sanded/slatted

#### Primer

Primer 600/610

Primer 600/610

Primer 600/610

Primer 600/610

None

None

Primer 600/610

Wide range of accessories is available e.g. prefabricated parts, roof drains, scuppers, walkway pads and decor profiles.

## VALUE BASE

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 DOCUMENTS

- Installation Instructions: Sarnafil® AT roof systems

## LIMITATIONS

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

- Do not apply to wet, damp or unclean surfaces
- Sarnafil® AT-18 FSA P must only be applied to compatible substrates (refer to compatibility section).
- The use of Sarnafil® AT-18 FSA P membrane is limited to geographical locations with average monthly minimum temperatures of -50 °C. Permanent ambient temperature during use is limited to +50 °C.
- The use of some ancillary products such as adhesives, cleaners and solvents is limited to temperatures above +5 °C. Observe temperature limitations in the appropriate Product Data Sheets.
- Special measures may be compulsory for installation below +5 °C ambient temperature due to safety requirements in accordance with national regulations.
- Sarnafil® AT-18 FSA P must be installed without

stretching or installing under tension.

- Sarnafil® AT-18 FSA P is used for detailing and must not be used as a roof waterproofing membrane to cover the complete flat roof area.

## ECOLOGY, HEALTH AND SAFETY

Fresh air ventilation must be ensured, when working (welding) in closed rooms.

### 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 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 or automatic hot air welding machines with controlled hot air temperature capability of a minimum +600 °C.

Recommended type of equipment:

Manual: Leister Triac

Automatic : Sarnamatic 661/681

Semi-automatic: Leister Triac Drive

### SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up. The complete roof system must be designed and secured against wind uplift loadings. The substrate can be one of the materials mentioned in the System Structure.

The substrate must be uniform, firm, smooth and free of any sharp protrusions or burrs, etc. The supporting layer must be compatible to the membrane, solvent resistant, clean, dry and free of grease and dust. Metal sheets must be degreased with Sarnafil® Cleaner before adhesive is applied.

### APPLICATION

#### Installation procedure

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

#### Substrate priming

Prime prepared substrate with appropriate primer.

#### Fixing Method

Sarnafil® AT-18 FSA P must be fully bonded to substrate. Blisters and wrinkles must be avoided.

#### Hot welding method

Overlap seams must be welded by electric hot welding equipment. 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 prior to welding. The effective width of welded overlaps by hot air must be a minimum 20 mm.

#### Testing overlap seams

The seams must be mechanically tested with screwdriver (rounded edges) to ensure the integrity/completion of the weld. Any imperfections must be rectified by hot air welding.

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#### Product Data Sheet

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## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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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