BUILDING TRUST

PRODUCT DATA SHEET

Sarnafil® TG 76-15 Felt PS

Polymeric FPO membrane for adhered roof waterproofing

DESCRIPTION

Sarnafil® TG 76-15 Felt PS (thickness 1.5 mm) is a multi-layer, synthetic roof waterproofing sheet based on premium-quality flexible polyolefins (FPO), containing stabilizers, with inlay of glass non-woven and polyester/glass mix fleece backing. Sarnafil® TG 76-15 Felt PS is a hot air weldable, UV-resistant roof membrane, designed to use in all global climatic conditions. (DE/E1 FPO-BV-E-GV-K-PV-1.5)

USES

Waterproofing membrane for fully bonded exposed roofs. (also under gravel and green roofs)

FEATURES

- Proven performance over decades
- Resistant to permanent UV irradiation
- High dimensional stability due to glass fleece inlay
- Resistant against impact load and hail
- Resistant to all common environmental influences
- Resistant to micro-organisms
- Compatible to old bitumen

CERTIFICATES AND TEST REPORTS

- Polymeric sheets for roof waterproofing according to DIN EN 13956, certified by notified body 1213-CPD-3914 and provided with the CE-marking
- DIN/TS 20000-201:2025-02
- DIN 18531-2
- Reaction to fire according to DIN EN 13501-1: Class E
- External fire performance tested according to DIN CEN/TS 1187 and classified according to DIN EN 13501-5: BROOF(t1)
- Resistance to flying sparks and radiant heat according to DIN 4102-7 (tested roof structure of Sika)

PRODUCT INFORMATION

Packaging	Sarnafil® TG 76-15 Felt PS standard rolls are wrapped individually in a blue PE-foil.	
	Roll length:	20 m
	Roll with:	2 m
	Roll weight:	74 kg
Appearance and colour	Colours:	
	Top surface:	beige window grey (nearest RAL 7040)
	bottom surface:	Polyester fleece backing (white)
Shelf life	In unopened and undamaged original packaging, the product retains its properties.	

Storage conditions	Rolls must be stored between +5 °C and +30 °C in a horizontal position on pallet, protected from direct sunlight, rain and snow. Do not stack pallets of rolls or any other material during transport or storage.	
Product declaration		(DIN EN 13956 / DIN/TS 20000-201:2025-02)
Visible defects	pass	(DIN EN 1850-2)
Length	20 (-0 / +5 %) m	(DIN EN 1848-2)
Width	2 (-0.5 / +1 %) m	(DIN EN 1848-2)
Effective thickness	1.5 (-5 / +10 %) mm	(DIN EN 1849-2)
Straightness	≤ 30 mm	(DIN EN 1848-2)
Flatness	≤ 10 mm	(DIN EN 1848-2)
Mass per area	1.85 (-5 / +10 %) kg/m²	(DIN EN 1849-2)

TECHNICAL INFORMATION

Hail resistance	rigid substrate: flexible substrate:	≥ 25 m/s ≥ 37 m/s	(DIN EN 13583)
Resistance to static loading	hard substrate: soft substrate:	≥ 20 kg (method A) ≥ 20 kg (method B)	(DIN EN 12730)
Resistance to static puncture	hard substrate: soft substrate:	≥ 800 mm ≥ 1.500 mm	(DIN EN 12691)
Resistance to root penetration	pass		(DIN EN 13948)
Tensile strength	longitudinal (md)* transversal (cmd)* *md = machine direction *cmd = cross machine direction	≥ 500 N/50 mm ≥ 500 N/50 mm	(DIN EN 12311-2)
Elongation	longitudinal (md)* transversal (cmd)* *md = machine direction *cmd = cross machine direction	≥ 2 % ≥ 2 %	(DIN EN 12311-2)
Linear dimensional change	longitudinal (md)* transversal (cmd)* *md = machine direction *cmd = cross machine direction	≤ 0.2 % ≤ 0.1 %	(DIN EN 1107-2)
Joint peel resistance	≥ 300 N/50 mm		(DIN EN 12316-2)
Joint shear resistance	≥ 300 N/50 mm Crack outside the joint seam		(DIN EN 12317-2) (DIN/TS 20000-201 / DIN EN 12317-2)
Foldability at low temperature	≤ -30 °C		(DIN EN 495-5)
External fire performance	Class E		(EN ISO 11925-2) (Classification according to DIN EN 13501-1)
Effect of liquid chemicals, including water	on request		(DIN EN 1847)
Exposure to bitumen	pass method (b)		(DIN EN 1548) (DIN/TS 20000-201 / DIN EN 1548)

Retention of properties after heat ageing	B_{ROOF} (t1) < 20°	(DIN CEN/TS 1187) (DIN EN 13501-5)
	Rsistance to flying sparks and radiant heat according to DIN 4102-7 (tested rood structure of Sika) Fulfilled for roof pitch < 20°	(DIN CEN/TS 1187) (DIN 4102-7)
Resistance to UV exposure	pass (> 5.000 h) Grade 0	(DIN EN 1297) (DIN/TS 20000-201 / DIN EN 1297)
Water-vapour transmission rate	μ= 150.000 (±30 %)	(DIN EN 1931)
Watertightness	pass 400 kPa / 72 h	(DIN EN 1928) (DIN/TS 20000-201 / DIN EN 1928)

APPLICATION INFORMATION

Ambient air temperature	-20 °C min. / +60 °C max.
Substrate temperature	-30 °C min. / +60 °C max.

SYSTEM INFORMATION

System structure	System accessories: ▪ Sarnafil® AT FSA P (self adhered membrane for parapets) ▪ Sarnafil® T 66-15 D (sheet for detailing) ▪ Sarnafil® TS 77 stripes ▪ Sarnafil® metal sheets ▪ Sarnabar® fastening system ▪ Sarnafil® prefabricated parts ▪ Sarnafil® T Clean / Sarnafil® T Prep / Sarnafil® Wet Task-Set ▪ Sarnacol® T 660 (contact adhesive) ▪ Sarnacol® 2142 S ▪ Sarnafil® roof drains and scuppers

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.

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 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

The installation of the roofing membrane should be carried out by Sika® Roofing trained applicators.

SUBSTRATE QUALITY

The substrate surface must be uniform, smooth and free of any sharp protrusions or burrs, etc.
The supporting layer must be compatible to the membrane and free of oil and grease. Cut open any blisters in the old waterproofing and repair. The safety of the existing roof assembly in terms of wind uplift must be ensured. Any insufficiently secured sections or components (e.g. chippings, slating etc.) must be removed to provide a smooth surface.

Substrates:

- OSB boards
- Slated/mineral sprinkled bituminous sheets
- Laminated and coated MW insulation boards
- Laminated PU insulation boards*
- EPS insulation boards

* for bonding on aluminium-laminated PU insulation boards, consult Sika Application Engineering.

APPLICATION METHOD / TOOLS

The seams of the roofing membranes are joined using a hot air welding process. The welding process is carried out using automatic welding machines or handheld welding devices. The welding temperature depends on a number of factors, such as the ambient temperature, weather conditions, and welding speed. Information on the basic settings for hot air welding devices can be found in the currently valid installation instructions, which you can request from us.

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.

Sika Deutschland CH AG & Co KG
Kornwestheimer Straße 103 - 107
D - 70439 Stuttgart
Tel.: +49 711 8009-0
Fax: +49 711 8009-321
info@de.sika.com
www.sika.de