

PRODUCT DATA SHEET

Sarnafil® TG 76-20 Felt PS

Polymeric membrane for adhered roof waterproofing

DESCRIPTION

Sarnafil® TG 76-20 Felt PS (thickness 2.0 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 76-20 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-2,0)

USES

Waterproofing membrane for fully bonded exposed roofs.

CHARACTERISTICS / ADVANTAGES

- 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

APPROVALS / CERTIFICATES

- Polymeric sheets for roof waterproofing according to DIN EN 13956, certified by notified body 1213-CPD-3914 and provided with the CE-marking
- DIN SPEC 20000-201
- 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

Product declaration	DIN EN 13956 / DIN SPEC 20000-201	
Packaging	Sarnafil® TG 76-20 Felt PS standard rolls are wrapped individually in a blue PE-foil.	
	Packing unit:	see price list
	Roll length:	15.00 m
	Roll width:	2.00 m
	Roll weight:	70.50 kg
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.	

Appearance and colour	Surface:	matt	
	Colours:		
	Top surface:	beige grey (nearest RAL 7040)	
	Bottom surface:	black	
Visible defects	Pass	(DIN EN 1850-2)	
Length	15 m (-0 % / +5 %)	(DIN EN 1848-2)	
Width	2.0 m (-0.5 % / +1 %)	(DIN EN 1848-2)	
Effective thickness	2.0 mm (-5 % / +10 %)	(DIN EN 1849-2)	
Straightness	≤ 30 mm	(DIN EN 1848-2)	
Flatness	≤ 10 mm	(DIN EN 1848-2)	
Mass per area	2.35 kg/m ² (-5 % / +10 %)	(DIN EN 1849-2)	
Resistance to impact	hard substrate	≥ 1000 mm	(DIN EN 12691)
	soft substrate	≥ 1750 mm	
Hail resistance	rigid substrate	≥ 28 m/s	(DIN EN 13583)
	flexible substrate	≥ 36 m/s	
Resistance to static loading	hard substrate	≥ 20 kg	(DIN EN 12730)
	soft substrate	≥ 20 kg	
Resistance to root penetration	pass	(DIN EN 13948)	
Tensile strength	longitudinal (md) ¹⁾	≥ 500 N/50 mm	(DIN EN 12311-2)
	transversal (cmd) ²⁾	≥ 500 N/50 mm	
¹⁾ md = machine direction ²⁾ cmd = cross machine direction			
Elongation	longitudinal (md) ¹⁾	≥ 2 %	(DIN EN 12311-2)
	transversal (cmd) ²⁾	≥ 2 %	
¹⁾ md = machine direction ²⁾ cmd = cross machine direction			
Joint peel resistance	≥ 300 N/50 mm	(DIN EN 12316-2)	
Joint shear resistance	≥ 300 N/50 mm	(DIN EN 12317-2)	
Dimensional stability	longitudinal (md) ¹⁾	≤ 0.2 %	(DIN EN 1107-2)
	transversal (cmd) ²⁾	≤ 0.1 %	
¹⁾ md = machine direction ²⁾ cmd = cross machine direction			
Foldability at low temperature	< -30 °C	(DIN EN 495-5)	
Watertightness	Pass	(DIN EN 1928)	
Water-vapour transmission rate	μ = 150000 (±30 %)	(DIN EN 1931)	
Exposure to bitumen	Pass ³⁾	(DIN EN 1548)	
	³⁾ Sarnafil® T is compatible to old bitumen		
Effect of liquid chemicals, including water	on request		
Resistance to UV exposure	Pass (> 5000 h / grade 0)	(DIN EN 1297)	

External fire performance	BROOF(t1) < 20°	(DIN CEN/TS 1187) (DIN EN 13501-5)
	Resistance to flying sparks and radiant heat according to DIN 4102-7 (tested roof structure of Sika)	(DIN CEN/TS 1187) (DIN 4102-7)
	Fulfilled for roof pitch < 20°	
Reaction to fire	Class E	(EN ISO 11925-2, classification to DIN EN 13501-1)

SYSTEM INFORMATION

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

The following accessories shall be used:

- Sarnafil® T 66-15 D Sheet for detailing
- Sarnafil® T Metal Sheet
- Sarnabar® Fastening system
- Sarnafil® T Prep / Sarnafil® T Wet Task Set
- Sarnacol® T 660
- Sarnacol® 2142 S
- Sarnafil® T Clean

APPLICATION INFORMATION

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

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

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

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. The curing of Sarnacol®-2142 S requires moisture. The base layer may therefore be slightly moist (no puddles). If the relative humidity is below 35 % moisten the adhesive after it has been applied.

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

Installation procedure:

According to the valid installation instructions of manufacturer for systems with Sarnafil® TG 76 Felt PS types for fully adhered roofs.

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 GmbH

Roofing
Kornwestheimer Strasse 103-107
70439 Stuttgart
Tel.: +49 711/8009-0
roofing@de.sika.com
www.sika.de/dachabdichtung



PRODUCT DATA SHEET

Sarnafil® TG 76-20 Felt PS
February 2022, Version 02.01
020910052010201001

SarnafilTG76-20FeltPS-en-DE-(02-2022)-2-1.pdf

