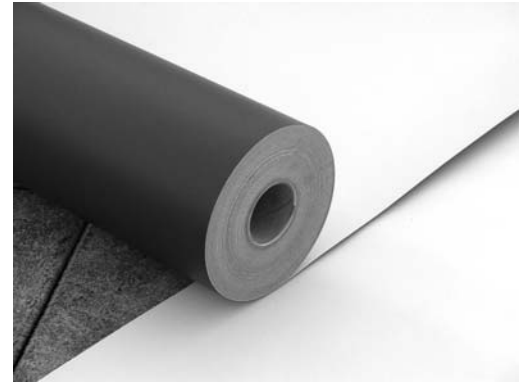


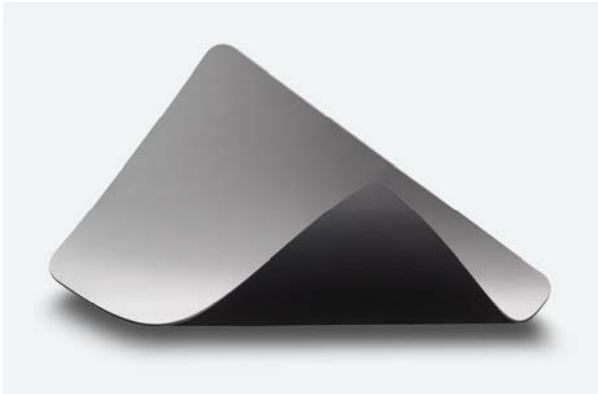
Product Data Sheet

Sarnafil G 410-18 EL



Overview: Sarnafil G 410 is a heat-weldable roof membrane made by spread-coating process, formulated for direct exposure and designed to use in all global climatic conditions. Sarnafil G 410 is produced with an integral glass mat carrier for dimensional stability. G 410 is the Sarnafil roof membrane used with the Adhered System.

Composition: Sarnafil G 410 is a high-quality product made of virgin PVC, containing ultraviolet light stabilizers, flame retardant and glass mat reinforcement. Sarnafil G 410 has a unique lacquer coating applied to the top of the membrane to resist staining from airborne dirt and pollutants. The standard colour of the weathering surface is light grey, the underside colour is dark grey.



Features: Thanks to the unique spread-coating production process, Sarnafil G 410 has no built-in stress at the time of production and has a fully encapsulated carrier with no risk to delamination or water-wicking. The dimensional stability of G 410 is excellent. Sarnafil G 410 can be produced also in a variety of colours.

Standards: Designed and manufactured to meet all international recognised standards.

Packaging: Sarnafil G 410 standard rolls are wrapped in a protective film.

Installation: Sarnafil G 410 is installed by Sarnafil authorized applicators only. After securement of the insulation boards to the roof deck or after proper preparation of a different substrate, Sarnafil G 410 is unrolled into Sarnacol adhesive in accordance with Sarnafil's technical requirements and then pressed into place with a water-filled foam-covered lawn roller. Different Sarnacol adhesives require different application methods. Sarnafil G 410 is then heat-welded together by trained operators using hot air welding equipment approved by Sarnafil.

Maintenance: Sarnafil G 410 requires no maintenance. As a prudent preventative measure, Sarnafil recommends that the owner or its designated representative inspect the installed roof system for damage, plugged drains, weathered sealant, etc. at least twice a year and after each storm.

Technical: Sarnafil provides all required technical support via its responsible market organisations. Technical staff is available to advise the planners and applicators as the correct installation methods of Sarnafil G 410.

Warranty: World-wide 10 years material warranty.

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Sarnafil G 410-18 EL

Property	Unit	Value	Standard
Raw material		PVC-P	
Color	. Surface	light grey	
	. Back side	dark grey	
Dimensions	. Width	m 2.0	
	. Thickness	mm 1.8	DIN 16 726
	. Length of standard roll	m 15	
	. Weight	kg/m ² 2.30	DIN 53 352
Density	g/cm ³	1.28	DIN 53 479
Tensile strength	N/mm ²	9.0	DIN EN ISO 527-3/5 (DIN 53 455)
Elongation at break	%	250	DIN EN ISO 527-3/5 (DIN 53 455)
Low temperature bending	°C	-20	SIA V 280/3 (DIN 53 361)
Dimensional stability at elevated temperature (6h/80°C)	%	0.0	DIN 53 377
Water vapour permeability	mg/m ² hPa	2.7 x 10 ⁻²	SIA V 280/6
Air layer thickness equivalent to diffusion	m	27	SIA V 280/6
Vapour diffusion resistance factor (μ)		15000	SIA V 280/6
Thermal ageing (70d/70°C)	. change of mass	% req. met	DIN 16 726
	. change of elongation at break	% req. met	
Artificial weathering (UV A)	h	req. met	SIA V 280/10
Water immersion (8 month 50 °C)	. change of mass	% req. met	DIN 53 495
	. visible changes	none	
	. low temperature bending	°C -20	
	. change of elongation at break	% req. met	
Permanent compression strength	N/mm ²		SIA V 280/14
Impact strength	mm	800	DIN 16 726 / 5.12
Resistance to microorganisms			SIA V 280/17 (DIN 53 739)
	. change of mass	% req. met	
Joint strength (lap shear)	. hand welded seam	req. met	DIN 16 726 / 5.7
	. hot wedge welded seam	req. met	DIN 16 726 / 5.7
Linear thermal expansion coefficient	1/K	16 x 10 ⁻⁶	EMPA
Root resistance		req. met	DIN 4062 / 4.7
Fire classification		B2	DIN 4102 part 1

SIA = Swiss Engineer and Architect Association
 DIN = German Industrial Standard
 EN = European Standard
 ISO = International Standards Organization
 EMPA = Swiss Federal Institute for Materials Testing



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