Sarnafil[®] G 476

Polymeric membrane for roof waterproofing

Product Description	Sarnafil [®] G 476 is a multi-layer, synthetic roof waterproofing membrane based on premium-quality polyvinyl chloride (PVC) with an inlay of glass non-woven.		
Uses	Waterproofing membrane for:		
	 Concealed flat roofs (green roofs, utility decks, ballasted roofs) 		
Characteristics /	Outstanding root resistance		
Advantages	Excellent weldability		
	Good flexibility in cold temperatures		
	Excellent dimensional stability		
	 High resistance to mechanical impact 		
	High water vapour permeability		
	Recyclable		
Approval / Standard	Sarnafil [®] G 476 is designed and manufactured to meet most international recognised standards.		
	Polymeric sheets for roof waterproofing according to EN 13956, certified by notified body and provided with the CE-mark.		
	Polymeric PVC sheets for waterproofing according to GB12952, Type G.		
	 Official quality approvals and agreement certificates and approvals. 		
	Monitoring and assessment by approved laboratories.		
	Quality management system in accordance with EN ISO 9001/14001.		
Appearance / Colours	Top surface: Orange		
••	Bottom surface: Dark grey		
Packaging	Sarnafil [®] G 476 standard rolls are wrapped individually in a blue PE-foil. The roll width is 2.0 m and the roll length depends on the membrane thickness:		
	1.2 mm 25.0 m (approx. 82 kg per roll)		
	1.5 mm 20.0 m (approx. 78 kg per roll)		
	2.0 mm 15.0 m (approx. 81 kg per roll)		
Storage Conditions / Shelf-Life	Rolls must be stored in a horizontal position on pallet and protected from direct sunlight, rain and snow. Product does not expire if correctly stored.		
	Do not stack pallets of rolls during transport or storage.		



Technical Data					
	Unit	Test Method		Properties	
			G 476-12	G 476-15	G 476-20
Effective thickness	mm	EN 1948-2	1.2	1.5	2.0
Water tightness	-	EN 1928	Pass	Pass	Pass
Effects of liquid chemicals incl. water	-	EN 1847	On request	On request	On request
Reaction to fire	-	EN ISO 11925-2 EN 13501-1	E	E	E
Water vapour transmission properties	-	EN 1931	15'000	15'000	15'000
Joint peel resistance	N/50mm	EN 12316-2	-	-	-
Joints sheer resistance	N/50mm	EN 12317-2	≥ 500	≥ 500	≥ 500
Tensile strength	N/mm2	EN 12311-2	≥ 8.5	≥ 8.5	≥ 8.5
Elongation	%	EN 12311-2	≥ 180	≥ 180	≥ 180
Resistance to impact		EN 12691			
hard substrate	mm		≥ 400	≥ 500	≥ 700
soft substrate	mm		≥ 800	≥ 1'000	≥ 1'250
Resistance to static load		EN 12730			
rigid substrate	kg		≥ 20	≥ 20	≥ 20
soft substrate	kg		≥ 20	≥ 20	≥ 20
Dimensional stability	%	EN 1107-2	≤ 0.2	≤ 0.2	≤ 0.2
Foldability at low temperature	٥C	EN 495-5	≤ -25	≤ -25	≤ -25
Resistance to root		FLL		Pass	
penetration		EN 13948			

System Structure A wide range of tested and approved Sika accessories for the single ply roofing system is available: vapour retarder, thermal insulation, separation layer, fasteners, adtailing membrane, contact achesive, perimeter bars, welding cords, termination bars, sealants, prefabricated parts (corners, roof drains, scuppers, walkway pads, lightning conductor clips etc.) etc. Application Details The substrate surface must be uniform, smooth and free of any sharp protrusions or burrs. The supporting layer must be compatible to the membrane, clean, dry and free of grease and dust. Application The use of Sarnafil® G 476 membrane is limited to geographical locations with an average monthly ambient temperature in the range of -30°C to +50°C. Compatibility Sarnafil® G 476 is not compatible with direct contact to other plastics, e.g. EPS, YZP, PUR, PRO FP, Sarnafil® G 476 is not compatible with direct contact to other plastics, e.g. EPS, YZP, PUR, PRO FP, Sarnafil® G 476 is not compatible with direct contact to other plastics, e.g. EPS, YZP, PUR, PRO FP, Sarnafil® G 476 is not compatible substrate. Installation Installation flastrate Sarnafil® G 476 is not compatible substrate. Installation Refer to the Sika Installation Manuals for single ply PVC membranes. Sarnafil® G 476 is lossely laid onto the substrate and covered with ballast. The roof perimeter has to be fixed mechanically to keep the membrane inplace. Overlap seams are welded by electric hot air welding equipment, such as manual hot air welding machines with controlled hot air temperature. Recommended type of equipment. Leister Triac PID (manual welding) and Sarnamati	System	
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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.
Ecology, Health and Safety Information	A Safety Data Sheet following EC-Regulation 1907/2006, Article 31 is not needed to bring the product to the market, to transport or to use it. The product does not damage the environment when used as specified.
Protective Measures	Fresh air ventilation must be ensured, when working (welding) in closed rooms.
	Local safety regulations must be observed.
Transportation Class	The product is not classified as hazardous good for transport.
Disposal	The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

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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Legal note: The information, and, in particular, the recommendations relating to the application and end-

