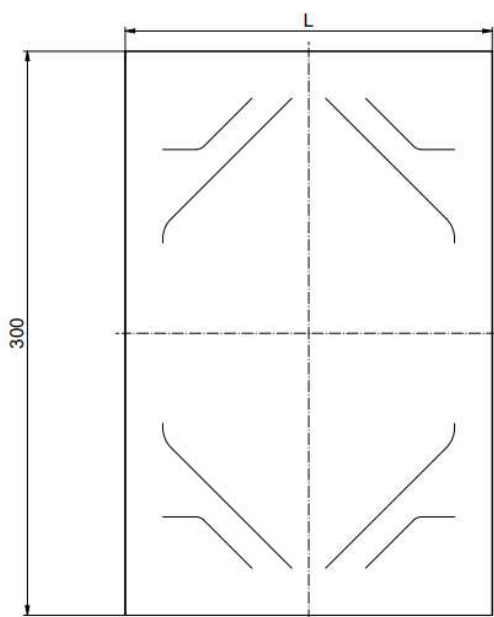


Solar Systems from Schweizer

Data Sheet MSP-FR-PSF

Protective Layer MSP-FR-EW-PSF 150 / 300 / 450 / 600 / 900 / 1200

Part	Description	Length
21034	Protective layer MSP-FR-PSF 150	195 mm
21035	Protective layer MSP-FR-PSF 300	340 mm
21979	Protective layer MSP-FR-PSF 450	490 mm
21980	Protective layer MSP-FR-PSF 600	640 mm
21981	Protective layer MSP-FR-PSF 900	940 mm
21982	Protective layer MSP-FR-PSF 1200	1240 mm



Packing and labelling

Part	Units per carton	Carton dimensions	Cartons / units per Euro-Pallet / custom pallet
21034	60	400 x 300 x 120 mm	60 / 3600 (Euro-Pallet 1200 x 800)
21035	30	400 x 300 x 120 mm	60 / 1800 (Euro-Pallet 1200 x 800)
21979	60	1000 x 300 x 120 mm	40 / 2400 (Euro-Pallet 1200 x 800)
21980	60	1300 x 300 x 120 mm	20 / 1200 (on Palette 1300 x 665)
21981	30	1000 x 300 x 120mm	40 / 1200 (on Palette 1200 x 1000)
21982	30	1300 x 300 x 120 mm	20 / 600 (on Palette 1300 x 665)

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Quality parameters Protective fleece layer

The protective layer fleece consists of high-quality, permanently weather-resistant PES fibers. The material properties were tested in accordance with the standards listed in the table below; With regard to aging resistance, the requirements that also apply to waterproofing membranes are met. If the protective layer is installed correctly, the roof membrane is permanently protected against possible damage.

Part	weight / L x B	Reference value	Required average value	Testmethod description
21034	Weight / Piece 300x195 mm	g	23.5 – 28.5	
21035	Weight / Piece 300x340 mm	g	41.5 – 50.5	
21979	Weight / Piece 300x490 mm	g	59.5 – 72.5	
21980	Weight / Piece 300x640 mm	g	77.5 – 94.5	
21981	Weight / Piece 300x940 mm	g	114.5 – 140	
21982	Weight / Piece 300x1240 mm	g	151 – 185	
	thickness	mm	3.4 ±0.6	ISO 29073-2
	Tensile strength MD	N/5 cm	>450	EN 29073-3 Fleece
	Tensile strength CD	N/5 cm	>450	EN 29073-3 Fleece
	Elongation at Fmax MD	%	<100	EN 29073-3
	Elongation at Fmax CD	%	<150	EN 29073-3
	Inflammability	/	B2	DIN 4102.1
	Materials compatibility			no incompatibilities with roof waterproofing made of TPO/FPO, PVC, bitumen, EPDM
	Ageing resistance			UV and weather resistant according to EN 1297

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Maintenance and care instructions

Depending on the installation situation and the ambient climate with increased humidity at the installation site, moss may form to a greater or lesser extent on the system components in contact with the floor in individual cases.

However, this does not affect the physical properties of the protective layer. Nor is the polyester material altered by moss adhesion; it retains its chemical and mechanical protective effect.

Nevertheless, in cases with conspicuous moss formation, it is advisable to adjust the cleaning and maintenance intervals of the system as necessary to ensure unhindered water drainage.

In any case, care must be taken to ensure that the protective layer fleece is not permanently submerged in water by ensuring unhindered water drainage from the flat roof by means of a sufficient slope towards the drain and an adequately maintained drainage sieve in the rainwater drainage system.

