

Solar systems from Schweizer

Leaflet PV Mounting System MSP-FR

Protective layer



Environmental phenomena

Depending on the installation situation and environmental conditions at the installation site, lichen or moss may form on the protective layer. On superficial inspection, the impression may arise that the fleece is disintegrating or in poor condition.

The deposits on the protective layer have no influence on the relevant properties of the protective layer and it retains its functional requirements. If age-related damage is suspected, the original condition can be restored by thoroughly washing the protective layer in lukewarm water.

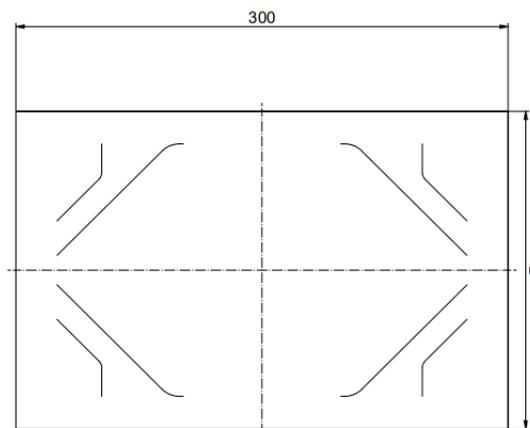
Deposits on the protective layers, which are mentioned in this section, are excluded from complaints.

Maintenance and care instructions

Moss formation can be reduced by ensuring that the protective fleece is not left standing in water for long periods. Some of the soiling caused by moss etc. can be washed away by rain. It is therefore advisable to adjust the cleaning and maintenance intervals as required in cases with noticeable moss formation and, in particular, to ensure that the rainwater drainage system is functioning properly. Clean the drain sieves of the rainwater drainage system.

Article overview and packaging

Article	Designation	Length [mm]	Quantity cardboard box	Cardbord box dimensions [mm]	Pallet quantity / dimensions [mm]
21034	Protective layer MSP-FR-PSF 150	195	60 pcs.	400 x 300 x 120	3600 pcs. 1200 x 800
21035	Protective layer MSP-FR-PSF 300	340	30 pcs.	400 x 300 x 120	1800 pcs. 1200 x 800
21979	Protective layer MSP-FR-PSF 450	490	60 pcs.	1000 x 300 x 120	2400 pcs. 1200 x 800
21980	Protective layer MSP-FR-PSF 600	640	60 pcs.	1300 x 300 x 120	1200 pcs. 1300 x 665
21981	Protective layer MSP-FR-PSF 900	940	30 pcs.	1000 x 300 x 120	1200 pcs. 1200 x 1000
21982	Protective layer MSP-FR-PSF 1200	1240	30 pcs.	1300 x 300 x 120	600 pcs. 1300 x 665



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Material properties

The protective layer fleece consists of high-quality, permanently weather-resistant PES fibres. The material properties have been tested in accordance with the standards listed in the table below. With regard to ageing resistance, the requirements that also apply to waterproofing membranes are met. If the protective layer is installed correctly, protection of the roof cladding against possible damage is therefore permanently guaranteed.

Technical data

Part	Feature	Unit	Value	Description of the test method
21034	Weight/piece	g	23.5 - 28.5	
21035	Weight/piece	g	41.5 - 50.5	
21979	Weight/piece	g	59.5 - 72.5	
21980	Weight/piece	g	77.5 - 94.5	
21981	Weight/piece	g	114.5 - 140	
21982	Weight/piece	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
	Flammability		B2	DIN 4102-1
	Material compatibility			No incompatibilities with roof waterproofing made of TPO/FPO, FPO-PP, PVC, bitumen, EPDM
	Resistance to ageing			UV and weather resistant according to EN 1297