

InterSole

Product information

Function/Advantages

For the flexible integration of PV modules in pitched roofs

The patented InterSole is the ideal system to integrate PV modules of all makes and sizes into pitched roofs – rear-ventilated, waterproof and easy to install. The PV modules are mounted vertically or horizontally with new, patented module clamps, which universally fit all framed PV modules with 34–51 mm frames. This reduces the costs for storage and consignment.

Together with the anchors specifically developed for this purpose, the special InterSole design makes reliable roof covering and safe installation possible.

InterSole is made of 100 % chlorine-free, recycled polyethylene (HDPE) and certified by the German Technical Inspection Association (TÜV) for the integration of PV modules into pitched roofs.

Available as plates and rolls.



InterSole

Technical data

	InterSole Roll	InterSole Plate
Technical characteristics		
Height	1.10 m	1.10 m
Length	10.00 m	1.60 m
Material	HDPE, 100 % recyclable	HDPE, 100 % recyclable
Thickness	at least 1.0 mm	at least 1.0 mm
Weight	19 kg	3,04 kg
Material properties		
UV resistance	at least 3 % carbon	at least 3 % carbon
Thermal operating area	-40 to +85 °C	-40 to +85 °C
Working temperature	at least 5 °C	at least 5 °C
Product warranty	10 years	10 years
Density	0.97 kg/dm ³ , compared to aluminium 2.7 kg/dm ³ and steel 7.9 kg/dm ³	0.97 kg/dm ³ , compared to aluminium 2.7 kg/dm ³ and steel 7.9 kg/dm ³
Elastic modulus	1200 N/mm ²	1200 N/mm ²
Thermal conductivity	0.4 W/(mK)	0.4 W/(mK)
Tear strength	25 MPa	25 MPa

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