

Specifications for tile roof mounting system

General System Description

Type:	Photovoltaic mounting system for pitched roofs
Module Orientation:	Portrait or landscape via a cross layered system
Materials:	Aluminium, V2A, PE
Repairer's warranty:	12 years

Roof suitability

Slope:	Up to max. 60°
Underground:	Rafter roofs with tiled roofing (pan tiles, clay tiles or concrete tiles)

Properties

Roof hooks:	<p>Roof hooks with triple adjustability:</p> <ul style="list-style-type: none">- Horizontal via moving the base plate- Vertical to adjust the distance to the tile- Vertical to compensate for the rail connection in the event of uneven roofs <p>Width of the hook max. 15 mm</p> <p>Material: stainless steel V2A/ aluminium</p>
Rails:	<p>Open profile rail with the possibility of using it as a cable channel. Various designs adapted to static requirements.</p> <p>Rail can be walked on during assembly. Fastening the rail to the roof hook from above</p> <p>Material: aluminium</p>
Fastening the modules:	<p>Clamping the modules with module clamps. Clamps for frame heights of 30-42 mm</p> <p>It must be possible to mount the clamps manually into the mounting profile. Once screwed in, the clamps must remain in place. It must be possible for 1 person to insert the modules into the terminal.</p> <p>Alternative fastening of the modules via insertion rails</p>
Electrical Properties:	<p>An approved way to integrate the mounting system into the lightning protection/equipotential bonding system</p>

Approvals/Standards: CE Marking

Documentation: Static verification of the stability of the overall system, occupancy plan, 3D overall occupancy overview, installation documentation.