

Specifications.

Module frame

- Unframed laminates
- From 6.8 mm to 10 mm
- Other dimensions upon request

Application

- Metal trapezoidal roofs
- Sandwich roofs
- Facades
- Others upon request

Thickness of sheets

- Standard from 0,5 mm steel sheet
- Standard from 1,0 mm aluminium sheet
- Others upon request

Orientation

- Parallel to roof
- Landscape format
- Portrait format coming soon

Material

- High-quality aluminium
- Stainless steel
- EPDM gasket

Sealing rivets and gaskets

- UV resistant
- Temperature stable
- Waterproof
- Type-similar certificated rivets
- Proved and time-tested

Module approval

- FirstSolar FS Series 2
- Calyxo CX-Serie
- Others coming soon

Specifics

- All parts also available in black



The montavent mounting system only meets the EN 1991-1-4 requirements for wind suction in regard to pull-out strength of the rivets in the cover sheet. As montavent does not have sufficient information about all building parameters, reference is solely made to wind suction forces. The contractor/buyer must establish and assure the necessary additional load capacity (installation, wind, snow, etc.) of the building including the sheet.

References – an Outstanding Track Record since 1999.

The PV installation system montavent has been developed by Swiss engineers. They are time-tested for more than ten years in practice, amongst others on Europe's biggest stadium installation, honoured with the European Solar Award.



Main railway station Zurich
Built in 1999
Power 50 kWp



Industrial construction DE
Built in 2009
Power 105 kWp



Tennis hall DE
Built in 2009
Power 105 kWp



Agricultural farm DE
Built in 2009
Power 180 kWp

For long-lasting fixation of framed modules on trapezoidal roofs use montavent TRAPEZ.

Your partner

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montavent LAMINAT

for frameless solar modules

Secure and quick installation on profiled metal roofs and corrugated sheets



montavent

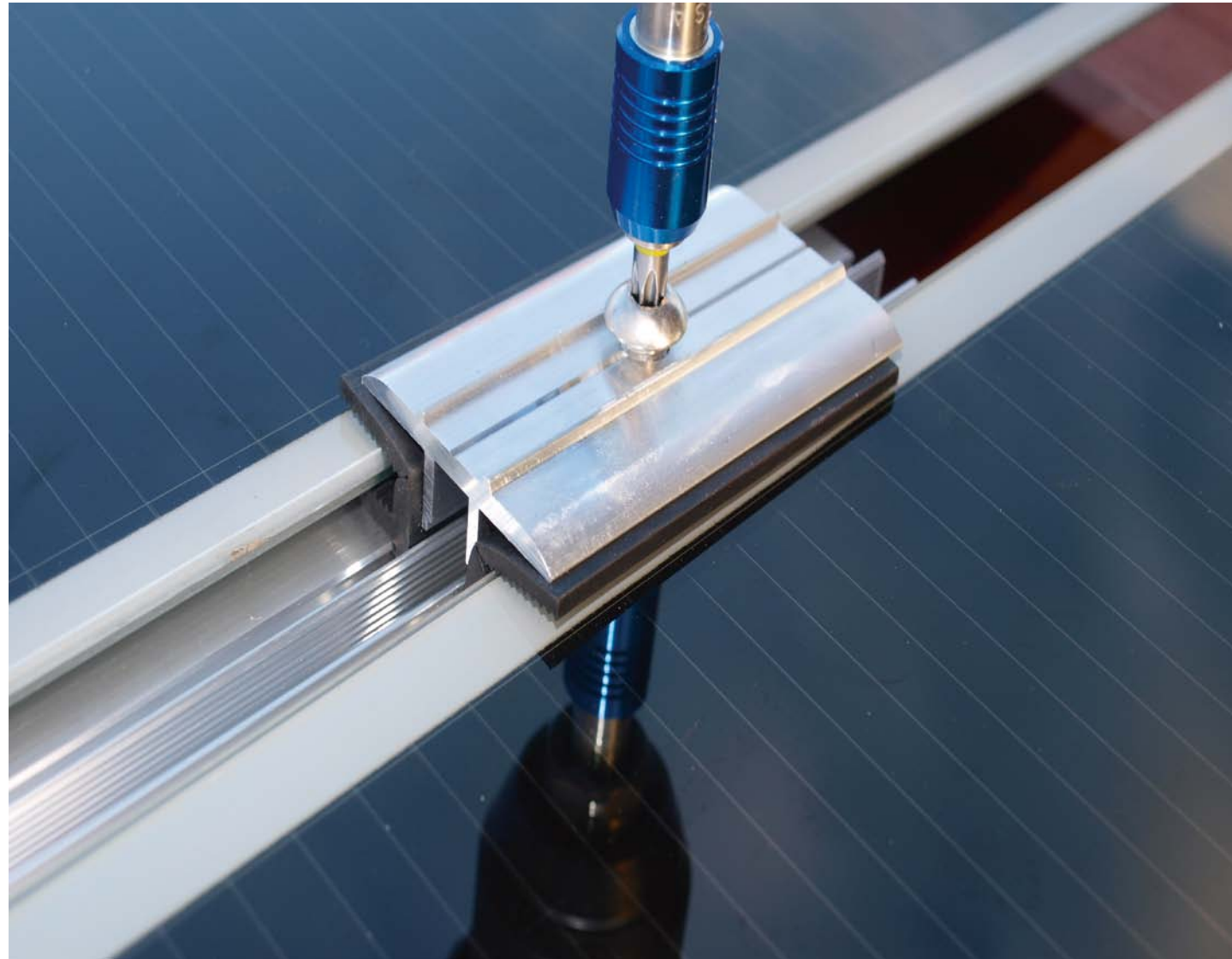
Swiss Engineering | www.montavent.ch

Short Profiles. Take Advantage of Easy Handling and Low Costs.

Our system components have a maximum size of about 1 m, which facilitates storage; transport and installation on the roof can be done by one person. This reduces your costs and time.

No Damages on the Roof. Avoid Dangerous Shearing Forces Thanks to Short Profiles.

No sheet cracks in the roof, no water damage because of leaky bodies and no fatigue breaks to deck screws: The retaining foot has been specifically conceived to decouple dangerous shearing forces between the installation system and the trap-ezoidal roof. The «full floating» profiles therefore do not cause any stress damage – in contrary to long profiles where temperature changes can unleash destructive forces.



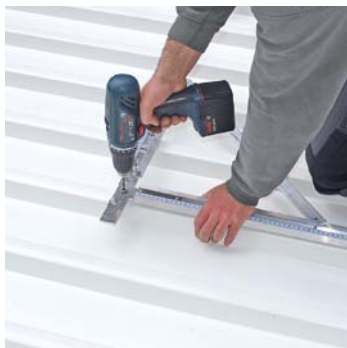
Rapid Placing. Place Your PV Laminate Without Drilling the Profile.

All montavent components are delivered form ready and pre-drilled, which allows easy and custom-fit assembly of your solar field on the roof. The fixation is directly installed on the bearing profile, which is part of the laminate clamp at the same time. Specifically conceived rubber bearings with clamped caps professionally anchor the lamination with defined forces for a lifetime.



The Swiss PV Assembly System Complies with EN 1991-1-4 for Wind Suction.

An obligatory binding wind suction test is carried out for each installation, to ensure that the system in the sheeting withstands wind suction force. The sealing rivets are tested by TÜV Rheinland for their ability to withstand tensile forces in various types of sheeting.



Precise and Quick

The montavent drilling gauge guarantees precise and quick installation. This gauge is adjusted to the given roof – holes are drilled through the integrated drill bushings – faults are practically impossible.



Rapid and Secure

Using a standard drill you fix the retaining feet with sealing rivets on defined spots. Combining rapidity and security all advantages are on your side.



Leakproof and Stable

A roof must be impervious – during a complete life cycle. The montavent system uses sealing rivets that guarantee stable and leakproof fixing.



Resistant and Solid

Covering a large fixing area, our expanding rivets form a three-legged footprint, which builds a solid anchorage on the sheet metal roof that guarantees secure fixation for a complete life cycle.



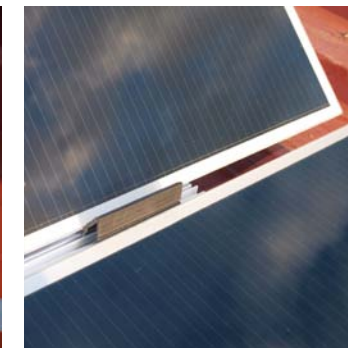
Power and Shape

The bearing profile is set into both the retaining feet. The custom and form-fit montavent components form a stable unit. A most simple fixation with a maximum flexibility.



Simplicity and Force

The final position of the bearing profiles is durably fixed with a bending tool. A powerful solution made easy.



Bearing and Fixation

The laminates are fittingly laid on rubber bearings. They stay securely in place due to a specifically integrated slipping snap fit until final fixation.



Systematic and Reliable

The montavent laminate clamp is composed of the cap, the rubber bearing and the bearing profile. A reliable guarantee.

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