

Quality,
Safe and calculated !



Profix offers for each roof type the appropriate mounting systems, which meets the static requirements. A safe and calculated mounting solution is the base for your well-running PV-System. It will help to prevent possible upcoming problems in the future. The new PROFIX range has been developed and optimized to meet the current market demands. These are :

- ☀ Certified system, statically calculated
- ☀ Quality products - production according to international standards
- ☀ Cost-effective, simple and fast system
- ☀ Complete product range and custom made products on demand
- ☀ Project-specific product development and project calculation

Pitched roof systems

Tiled roof : The mounting rail is fixed on roof hooks, which are directly screwed on the rafters. Depending on the static requirements, we can supply the appropriate roof hooks with different thickness/strength.



Adjustable roof hooks give the possibility for height adjustment, especially for old, uneven roofs.

Isolated roof : The special structure of the isolated roof requires a special solution. There are no visible rafters present, so that the roof hook has to be fixed, on a special rail screwed on the battens. Through several tests, we can proof that the UNIFIX roof hook is a solid and strong system.

Folded seam roof : The folded seam roof of Kalzip roof clamps with self-locking nuts are fasten on the standing seams. You obtain a secure fixing without damaging the roof insulation.

Trapezoidal and Sandwich Roof : The trapezoidal roofs (with or without insulation) have to be considered very carefully by their great diversity. The thickness of the trapezoidal metal sheet plays a big role, as well as the parameters of the substructure. After analysis of the various factors, we can offer a calculated solution, which do not affect your roof warranty.

Profix is able to provide you the adequate system with calculation.

Corrugated eternit roof : The fixation in the corrugated eternit roof is made with hanger bolts or solar fasteners. Here the screws are fixed to the roof structure in the purlins (wood or steel). The 3 nuts on the bolt allow easy height adjustment to get a uniform surface area. For the attachment of the rails, connector plates are used (single or double connector plates) depending on the static requirements.

Flat roof systems

The flat roof is a critical roof, as you have to care about several parameters. The additional weight you can put on the rooftop is the most important one, as well as the protection of the roof surface.



The height and location of the building give the necessary information about the wind parameters and the snow load to make a save calculation for your PV system.

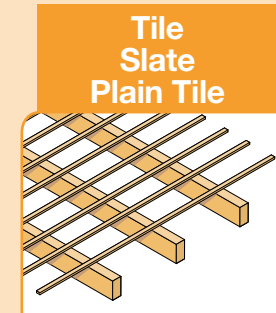
The SOLAR Profix TOOL calculates automatically the ballast plan for your roof.

We offer following systems :

South elevation : Flat roof 12, 15 and 20 degrees (low ballast), standard triangular supports from 15 - 35 degrees with weight.

East-West elevation : Lightweight - flat roof system of 10 degrees with east-west orientation to maximize PV power on your roof.

PITCHED ROOF



Tile
DH 2-times adjustable
DH 35 x 5
DH 35 x 6
DH 35 x 8
DH 40 x 10

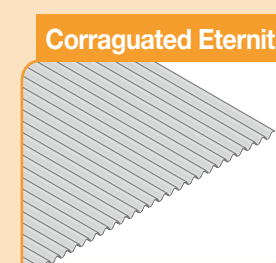
Slate Plain Tile
DH 30 x 5
DH 35 x 6 adjustable



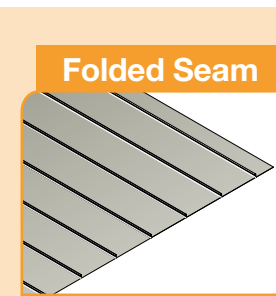
UNIFIX System
UNifix DH 35 x 6
UNifix DH Mounting plate 187 mm
UNifix DH Mounting plate 535 mm

Screws
Flat head wood screw 8 x 80 mm
Flat head wood screw 8 x 100 mm
Flat head wood screw 8 x 120 mm
Flat head wood screw 8 x 140 mm
Countersunk head wood screw 8 x 80
Countersunk head wood screw 8 x 100
Unifix wood screw 6 x 80 mm

Optional for roof hook :
Filler plate 3 mm
Filler plate 5 mm



Hanger bolt
M10 x 160 / 180 / 200
M12 x 200 / 250 / 300
EPDM seal
Connector plate 1 single
Solar fasteners



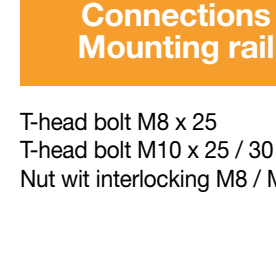
Lock seam clamp
Kalzip lock seam clamp



Short rail
Trapez light 395 mm



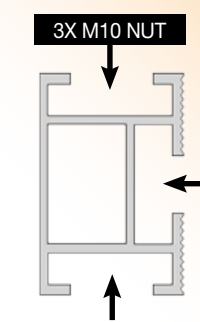
Solar fasteners
Trapez flex
EPDM seal
Self drilling screws



T-head bolt M8 x 25
T-head bolt M10 x 25 / 30
Nut wit interlocking M8 / M10

Rails
QT Standard 2.100 mm
QT Standard 3.200 mm
QT Standard 6.200 mm
QT Standard black anodised

Rails - accessories
Rail connector 150 mm
Cross connector
End cap grey 80 mm
End cap black 80 mm
Cableclip Omega



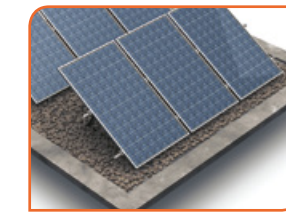
Modul clamps
End clamps :
Alu / Black 31 mm
Alu / Black 35 mm
Alu / Black 38 mm
Alu / Black 40 mm
Alu / Black 42 mm
Alu / Black 45 mm
Alu / Black 46 mm
Alu / Black 50 mm

Center clamps :
Alu / Black 30-35 mm
Alu / Black 34-39 mm
Alu / Black 40-46 mm
Alu / Black 47-50 mm



FLAT ROOF

South - elevation



With Ballast
Triangular supports
15 - 20 - 25 - 30 - 35 degree
Special triangular supports to size
With floor plates



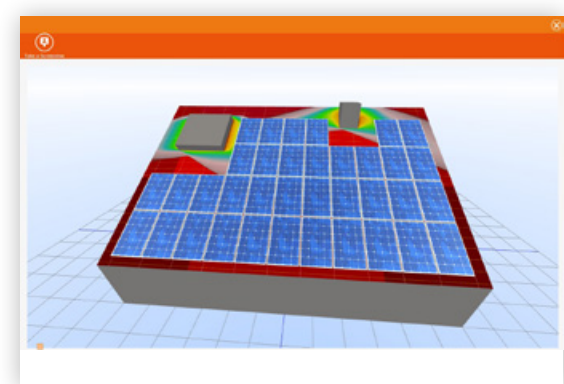
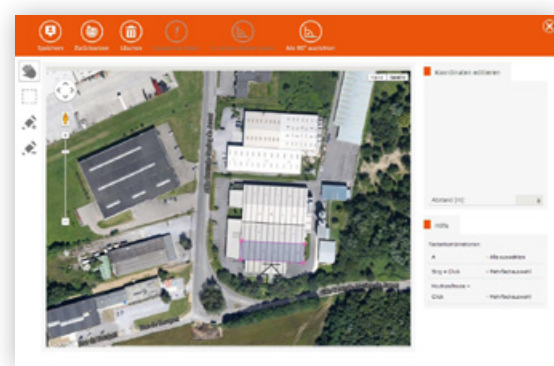
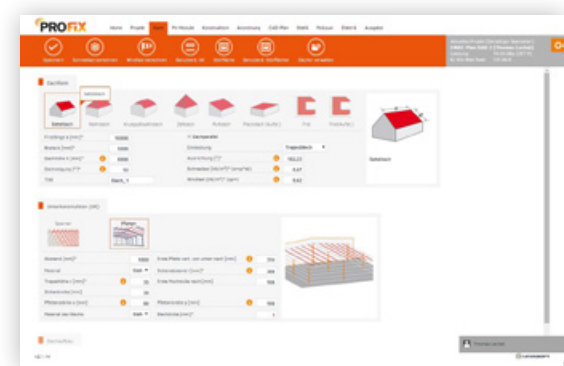
Low ballast
flat roof
10 - 12 - 15 - 20 degrees
+ ballast and assembly plan

East-west elevation



East-West 10 degree
+ ballast and assembly plan





Product advantages

The **PROFIX** mounting system allows a fast and strong mounting with less components.

RAILS WITH CONNECTOR

Different rail lengths:
2.100 mm, 3.200 mm and 6.200 mm
Connector (without bolt and nuts)

Combine the rail lengths as you want.
No cutting, no rubbish anymore. Save time and money !



CROSS CONNECTOR FOR DOUBLE STRUCTURE

The new cross connector is fixed with a T-head bolt.
The mounting from above is faster and cheaper than other similar systems.



ROOF HOOKS

The new Profix rail allows the fixation of the roof hook from the side or below. The roof hook is fastened on the base plate which can be adjusted in the height by filler plates.

The roof hook which is fixed from the side has automatically the height adjustable function.



Solar Profix Tool

PROFIX has, in addition to the mounting systems, an online planning software to design PV systems.

The PROFIX tool allows a detailed planning of the mounting structure for your system.

The tool has a lot of standard features : you can put obstacles on the roof to make shadow simulation, make a flexible module arrangement, make static calculation of the system, and also export DWG CAD prints directly from the tool.

With the integrated Polysun inverter simulation program, the Solar Profix tool provides the complete package to make your PV project design from A to Z.

For special requests and projects, please contact the Profix team which will help you to find an appropriate solution.

Visit : www.profix-solar.com



PRE MOUNTED MIDDLE AND ENDCLAMPS

The pre mounted module clamps can be clicked in the rail. You don't need screws and nuts anymore.



PROFIX Mounting Systems

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