



mounting
systems



COMPLETE
ROOF INTEGRATION
Now available for
the French market

Zeta

Flexible applications

Zeta readily allows the integration of framed photovoltaic modules into new and old roofs regardless of the type of roof covering.¹ Zeta is mounted onto the existing roof battens and replaces the regular roof cladding.

Rapid mounting

All components are pre-fitted according to the chosen PV module and module configuration. Further reduction in installation time and simplification is achieved through the patented click-system of the aluminum rails.

High impermeability

Zeta is based upon the in-roof-system Kappa for unframed modules, which has already been used successfully for several years. In terms of impermeability Zeta fulfils the requirements of conventional tile roofs. The special supporting profiles guarantee proper rear ventilation and rainwater drainage.²

Individual array

The roof can be entirely or partly covered with modules. The integration of dormers and windows is possible as well.³

Appealing optics

Levelling the modules with the roof covering, Zeta is the most appealing method of mounting PV modules.

Maximum service life

All profiles and flashings (aluminium), while being completely recyclable, guarantee maximum service life through their high resistance to corrosion.



In-roof



Framed module



Orientation
portrait



Double Roman
Tiles



Slate



Plain Tiles



Bitumen shingles



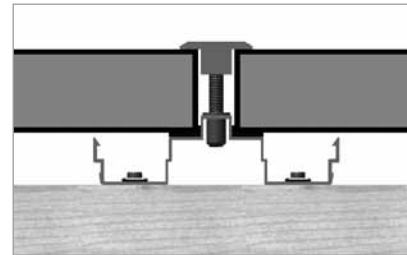
¹ Zeta system can be used with almost all types of tiles, formwork and roofing slates. For more information, please contact us before planning your installation.

² The installation must be in accordance with local regulations for roof covering.

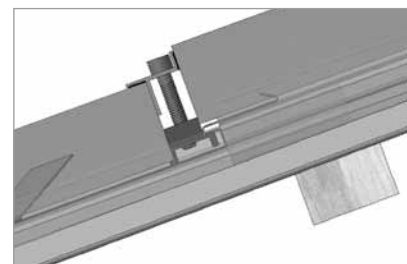
³ Subject to previous checking.



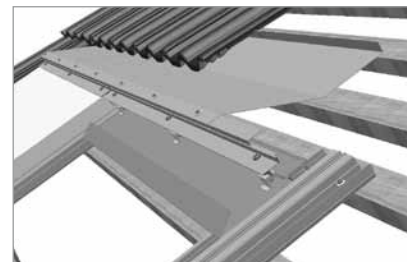
Application	<i>Pitched roof-integration</i>
Roof cladding	<i>Any roof cladding possible</i>
Roof slope	<i>16° to 45° (above on request) ¹</i>
PV modules	<i>Framed</i>
Total height of PV-system	<i>42 mm + height of module</i>
Module layout	<i>Connected surface, as well as entire roof. Integration of windows possible (subject to previous checking).</i>
Dimension of modules	<i>Any dimension possible</i>
Module orientation	<i>Portrait</i>
Size of module field	<i>Any size possible</i>
Height of construction	<i>Up to 12 m (above on request)</i>
Wind zone	<i>Up to zone 3 (above on request) ²</i>
Snow zone	<i>Up to zone C2 (above on request) ²</i>
Positioning on the roof	<i>Any</i>
Roof construction	<i>The standard screws delivered are meant for mounting on wooden battens sized 40 x 60 mm ³</i>
Standards	<i>Eurocode 1, part 1-4, Eurocode 9, part 1-1</i>
Supporting profiles	<i>Extruded aluminium (EN AW 6063 T66)</i>
Hooks, small parts	<i>Stainless steel (V2A)</i>
Flashings	<i>EN AW 1050A H16</i>
Bottom flashing	<i>Metal Roll, Perform</i>
Seals	<i>TPE profile 60° Shore A</i>
Colour	<i>Profiles: natural (aluminium), lower flashing: black, red, grey, brown (variation on request)</i>
Warranty	<i>10 years ⁴</i>



Transverse section of supporting profile



*Lateral view of the transition between
2 rows of panels*



View of upper sealing

Warning! Waterproofing the roof is heavily dependent on correct installation! To avoid problems, we offer practical trainings.

¹ The installation must be in accordance with local regulations for roof covering.
² French wind and snow zones, based on the French annexes to the Eurocode 1 „Annexe nationale à la NF EN 1991-1-4:2005“ and „Annexe nationale à la NF EN 1991-1-3:2004“
³ Variation on request; with adapted maximum permissible loads, installation on thinner supports like for example 27 mm complete sheathing is also possible.
⁴ Please find the exact terms in the Mounting Systems GmbH Warranty document.