

Complete integration with Azimut AZM606XXXX/L (Y)* laminates

Suitable for residential and corporate buildings, the **4Roof Plus** system can be installed on all types of pitched roof. In this solution tiles are replaced by rails on which the laminates rest. These rails ensure the discharge of rainwater. As happens with tiles, the top laminate overlaps the top of the underlying laminate.

THE ADVANTAGES OF 4ROOF PLUS:

- 1 Adaptability and flexibility**

The system can be integrated into the roof of old and new, residential or business buildings, regardless of the roofing type. Allows a slope of 16° to 45°. Thanks to these modules structures and projects of any type can be realized. The modules must be positioned vertically with the short side parallel to the gutter. The roof can be totally or partially covered. It is possible to include skylights or domes in the system.
- 2 Quick and easy installation**

All the components of the mounting system are pre-assembled and fitted for Azimut AZM606XXXX/L (Y)* laminates. This preparation and the rails with clamps simplify the installation and reduce installation time.
- 3 Guaranteed water-resistant**

The system has the same features as a traditional roof. The special extrusions ensure optimal ventilation and discharge of rainwater through the gutter mechanism integrated in the rail.
- 4 Quality and high efficiency**

AZIMUT AZM606XXXX/L (Y)* laminates are produced according to strict technical specifications to ensure quality and durability. The selected materials (cells, glass, connection systems...) meet the requirements of safety and performance of the final product. (**). (**)
For more information on AZIMUT laminates please refer to the data sheet.
- 5 Aesthetics and finishing**

4Roof Plus matches perfectly with the roof surface and ensures the aesthetic quality of the structure.
- 6 Laminates and fittings are available in "absolute black".**
- 7 Access to the incentives of the "Titolo III" (Conto Energia)**

Our system meets the quality requirements and the certifications provided by the GSE for technological innovation as it is provided with European patent (Mounting System/Kappa) EP0761901.

TECHNICAL DESCRIPTION

Positioning	on a pitched roof - replaces the roof itself
Covering of the roof	indifferent (more information on request)
Slope	from 16° to 45°
Panel	AZIMUT AZM606XXXX/L (Y)* laminates (see technical data sheet). Polycrystalline module power: 240/245/250 Wp; Monocrystalline: 250/255 Wp (error: 0/+3 %) Size (H x W x D) 1642 x 982 x 5,2 mm
Configuration	photovoltaic surface on the whole roof or on a part of it. Possibility to connect the system to skylights and domes
Orientation	vertical
Height of the system	40,5 mm (extrusion included)
Installation	vertical positioning of the panels
Building height	until 12 m
Wind load	terrain category 2, 3, 4 according to UNI EN 1991-1-4
Roof structure	suitable for any type of pitched roof. We recommend the use of support rails in the central part of the module to avoid glass bending in case of snow
Norms	Eurocode 1 and Eurocode 9
Extrusions	extruded aluminum (EN AW 6063 66)
Splice plates	aluminium - on the side and on the upper part
Underlying layer	Ubbiflex waterproofing strips
Seals	EPDM - rubber
Warranty	12 years

Note: the impermeability of the roof depends on the quality of the system assembly. Check the manual and follow the instructions carefully

*: (Y) can be N for black module.

THE SYSTEM

- 1** Water resistance is ensured by the overlapping of the laminates to the sheaths already positioned on the central flashings
- 2** Water resistance is ensured by the overlapping of the laminates and by the sheaths which are present on the upper part of each laminate
- 3** Upper flashing in galvanized sheet ensures water runoff on the roof tiles.
- 4** Sidejunctions in anthracite grey galvanized sheet.
- 5** Lower flashing aligned with the eaves line or joined up with the tiles.

