enersol
nuevas energías

INTEGRATED STRUCTURE

INTEGRATED ON ROOFS AND ON FACADES

Adjustment

The aim of the integrated structure is to be able to be adapted to any kind of roof, for this reason the structure has a wide range of anchorages that can be adapted to the different superficial finishes of the roofs

- Trapezoidal Sheet
- Undulating Sheet
- Sandwich Panel
- Asbestos
- Clay Roof Tile
- Mixed Tile
- Flat Tile

Totally watertight with **EPD rubber**

Enersol's Integrated structure solves the installation of solar panels on roofs and facades compromised with its aesthetics and with its visual impact. It is adapted perfectly on the surface, and it can also be one more architectural element of the building and providing this one with modernity, design and awareness with the environment.

Furthermore with this system you will be **benefited with payments** that a lot of countries in the European Union offer in their legislation.

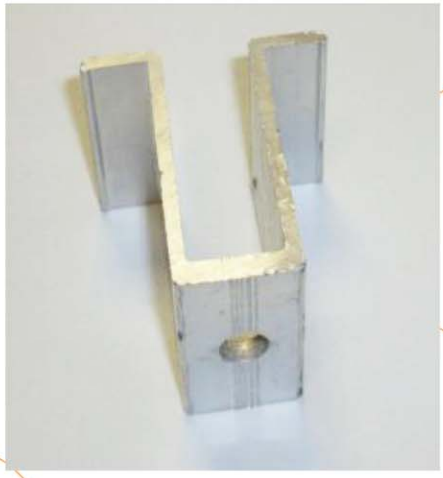
Simple and rapid system, once placed the anchorages, according to the plane, the rest is immediate, so the anchorages come with some holes to screw them to the metallic shape, this shape which has a longitudinal gutter where to make the fixation.

The panels rest on the metallic shapes and they are immobilized by the **Omega clips**, which hold the panel in four points

Enersol offers **10 years of Product Warranty**

TÜVRheinland® CERT ISO 9001

Omega clamps (central) and T-shape clamps (Final)



Enersol makes customized Clamps depending on the thickness of the frame. In addition it makes clamps with EPDM joint for modules of **thin film.**

The clamp is fixed by Allen screw M8, with Rhombus-shape washer for its placement in the gutter of the metallic shape.

The integrated structure is undoubtedly the **most economic option** for a photovoltaic power plant because it is assembled with a little volume of structural material, in addition it is the system that offers a highest speed of assembly of the structure and the modules

The electrical cabling must be prepared before the placement of the modules

TECHNICAL CHARACTERISTICS	
Dimensions (mm)	All Kinds Frame (All thicknesses) mm.
Kind of Frame	With or Without Frame
Roof Inclination	0°-90° (se recomienda >10°)
Distance between supports	3m.
Anchorage Material	Stainless Steel with EPDM Rubber
Metallic Shapes Material	Aluminium Extruded (AlMgSi 0,5)
Clamps Material	Stainless Steel
Screw	Stainless Steel
Max. Wind Load	150 Km/h
Max. Snow Load	1,6 KN/m2
Maintenance	Without maintenance

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Material

High quality material, demanding to every element some performances according to its function, so the anchorage, the cramps and the screws are made of stainless steel, the metallic shapes are made of extruded aluminum

Supply and Performances

- To measure the Installation *
- Assembly of the structure
- Assembly of the panels
- Electrical cabling

*** Items to be made by Enersol.**

For more information contact Enersol Nuevas Energías s.l. calling 96 556 19 91 or via

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