

TECHNICAL DATA SHEET

Product:

OMNIABLOK PHOTOVOLTAIC FRAME

Galvanised steel frame for installing photovoltaic panels.

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| Composition: | Rectangular frame given by joining the long grids with short grids arranged perpendicularly to the previous ones and joined to the vertices thereof by the Omniablok aluminium casting. |
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Incidence of weight per m²

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|---------------------------------|---------|
| Solution on inclined roof: | Kg 6,50 |
| Solution on a flat roof (Shed): | Kg 9,90 |

Grids

Features

| | |
|---------------------|---|
| Type: | Longitudinally welded hollow steel pipe ERW |
| Execution standard: | EN 10219/EN 10240 |
| Type of steel: | S235JRH |
| Type of treatment: | Hot bath galvanising |

Dimensional features

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|-------------|-----------------|
| Dimensions: | Ø 48,3 mm x s 3 |
| Weight: | 3,33 Kg/m |

| Mechanical tests | Tolerance | Obtained Value | Unit |
|--------------------------------------|------------|----------------|-------------------|
| Limit of elasticity Re : | Min. 235,0 | 295,9 | N/mm ² |
| Tensile strength Rm : | 360/510 | 430,1 | N/mm ² |
| Elongation at total break A : | Min. 20,0 | 29,5 | % |

Omniablok casting

Features

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|------------------|------------------|
| Type: | Aluminium flange |
| Aluminium alloy: | EN AB 46100 |

Dimensional features

| | |
|-------------|---------------------------|
| Dimensions: | 145,0 x 145,0 mm x H 50,0 |
| Weight: | 1,15 Kg |

M. 16 x 30 screw threaded M. 8 into the hexagon seat

Features

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|-----------|---|
| Type: | Screw M. 16 x 30 threaded M.8 in the hexagon seat |
| Material: | Brass CW614N/CW617N |

Dimensional features

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|-------------|----------------|
| Dimensions: | Ø 16 mm x 30 H |
|-------------|----------------|

All our structures are dimensioned to bear the weight of the photovoltaic panels and the accidental weight of snow and wind.

NB:

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