



# JoriSolar



**JORISIDE**  
THE STEEL FUTURE

MR147 / 0323

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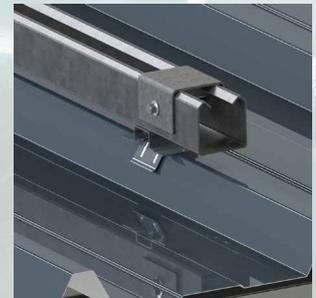
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# JoriSolar

In 2008, the Joris Ide Group opened its Energy division for the photovoltaic roofing market as a manufacturer of dedicated integration systems. This approach was consolidated in 2011 with the creation of the Jorisolar range and development of the " Joris Ide Energy " brand. Based on our expertise and long-standing experience, our products have been installed on over one million m<sup>2</sup> of photovoltaic surface per year. As a result, we can provide you with reliable quality solutions for residential, agricultural, industrial, or other buildings.

The Jorisolar range now allows modules to be integrated into slanted roofs on insulated /uninsulated steel roofing. Our new product JORISOLAR RS-EVO makes it possible to attach the photovoltaic modules directly to the building frame, without requiring any additional drilling in the roof, thanks to an innovative screw.

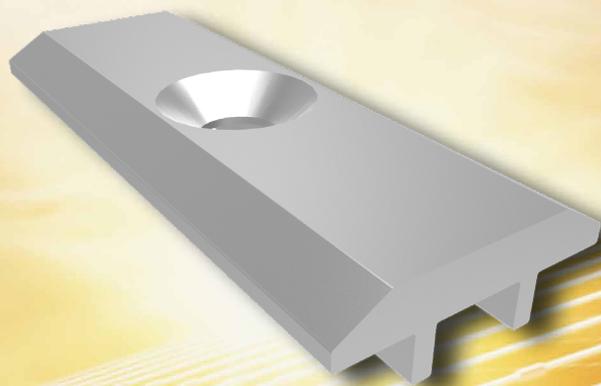
**Joris Ide Energy is developing all the time and new products will soon be available.**



# Processes and Solutions

with high thermal performance

In order to anticipate expectations inherent in the design of increasingly efficient buildings from a thermal perspective, Joris Ide offers a large range of ready to mount, insulated products with a direct finish.



Innovation



# Photovoltaic Integration Systems

## JoriSolar for roofs

Joris Ide Energy has developed the **JoriSolar** range for integration of photovoltaic modules with sheet-metal and sandwich panel roofing. The optimum solution for the installation of photovoltaic modules.

### The ideal Joris Ide roof profile for your needs:

- Simple skin profile
- PU foam insulated profile

### Universal fasteners:

- All types of modules
- Simplified building integration
- Rapid installation
- High technical quality
- Portrait or landscape mounting

### Benefits

- Safety ensured by working with a steel profile manufacturer
- Installation of rails regardless of purlin position
- Residential, commercial, industrial, and agricultural applications
- Short length rail = no risk of dilation
- Competitive price
- Fast delivery (Steel profile / System / Fixing)

### We offer a guaranteed integration system

- Materials and coatings selected according to your technical specifications
- Provision of universal mounting system
- A high quality solution dedicated to electricity production
- Technical support for all your projects
- For recommended coatings for solar applications, please refer to our Colorflow.



# JoriSolar RS-EVO

Jorisolar RS-EVO is the latest integration system in the Jorisolar range and designed to facilitate the installation of photovoltaic roofing modules. It is based on the innovative principle of clipping modules to steel rails, which are attached to the building frame. The rails are positioned on the steel profile ridges and attached to the building structure by a secondary fastening, so that landscape PV modules can be fitted.

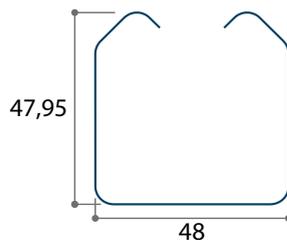
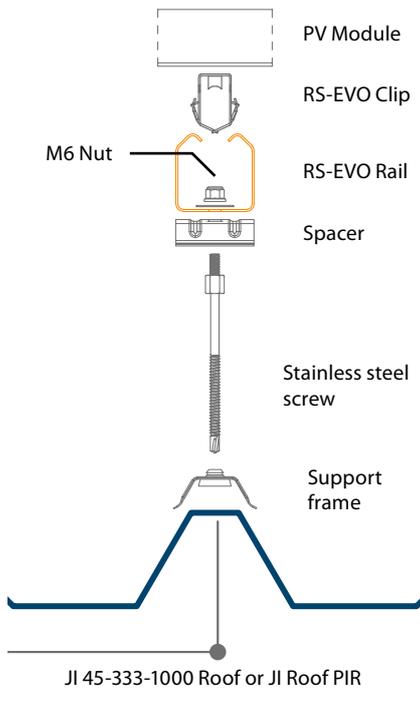


## Technical features

Standard length	Custom track dimensions according to roof configuration
RS-EVO	galvanised steel Z600
Accessories	galvanised steel clip Magni 565
System weight	2,60 kg/m <sup>2</sup>
Area of use	Residential, commercial, industrial, agricultural
Space between modules	between 0 and 25mm as required by the installer
Type of fastening	stainless steel (exterior), about 1.50 fastening/m <sup>2</sup>

## Benefits

- **Fastening to the building structure**
- **Only 1 fastening for mounting the sheet-metal and rail**
- **No additional drilling on the roof**
- Adaptable rail for all types of trapezoidal wave
- Installation on profiles and sandwich panels:
  - JI 45-333-1000 Roof
  - JI Roof PIR
- clip not constrained by thickness of the modules
- installation with few tools required
- fast and easy installation
- Can be dismantled using special pliers (provided with order upon request)
- installation in landscape format
- economical solution
- 4 - 45° slope
- custom-made and pre-drilled rail: no on-site preparation
- Automatic earthing with RS-EVO clip

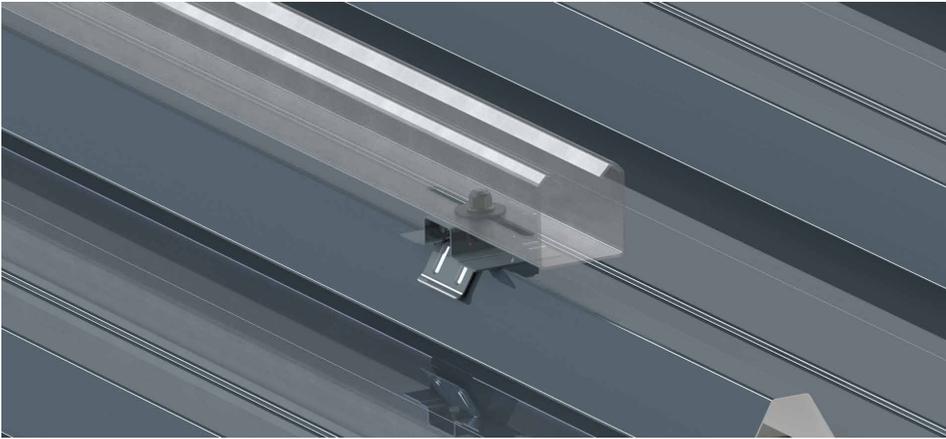


JI 45-333-1000



JI Roof PIR





*Please contact JI for technical assistance on projects subject to high wind loads, close to the sea or high buildings...*

# JoriSolar Opti'Roof

Jorisolar Opti'Roof is an integration system for photovoltaic modules designed for fitting modules as part of a landscape installation. It is suitable for the JI 45-333-1000 drywall roof profile, as well as our JI Roof PIR sandwich roof panel. It is the economical solution from our photovoltaic range.



## Technical features

Standard length 100 mm  
Metal aluminium

Integration system weight  
weight of the roof profile + 0.4kg/m<sup>2</sup>

Area of use Residential, commercial,  
industrial, agricultural

Space between modules 13 or 18.1 mm

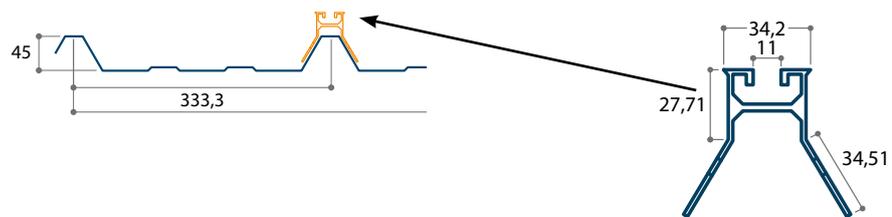
Type of fastening stainless steel,  
(3 fastening points)

## Benefits

- **Available since 2014**
- **Over one million m<sup>2</sup> installed per year in Europe**
- **Simple and efficient**
- Installation on profile JI 45-333-1000 Roof
- install on insulated panel JI Roof PIR
- install in landscape layout
- economical solution
- flange system identical to RS-R
- pre-assembly of the optional flanges
- delivered with EPDM seal
- fast delivery
- 4 - 45° slope
- no on-site preparation work required
- side and central flanges delivered assembled
- aluminium central flanges (13 mm between modules) or ST02 central flanges (18.1 mm) can be used

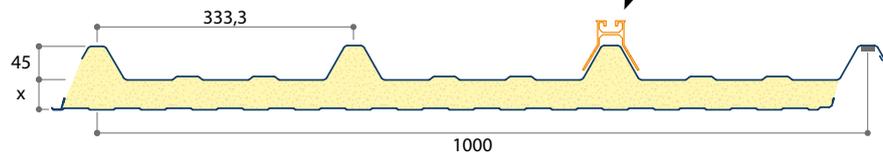
## Can be assembled with steel profiles

With profile **JI 45-333-1000**

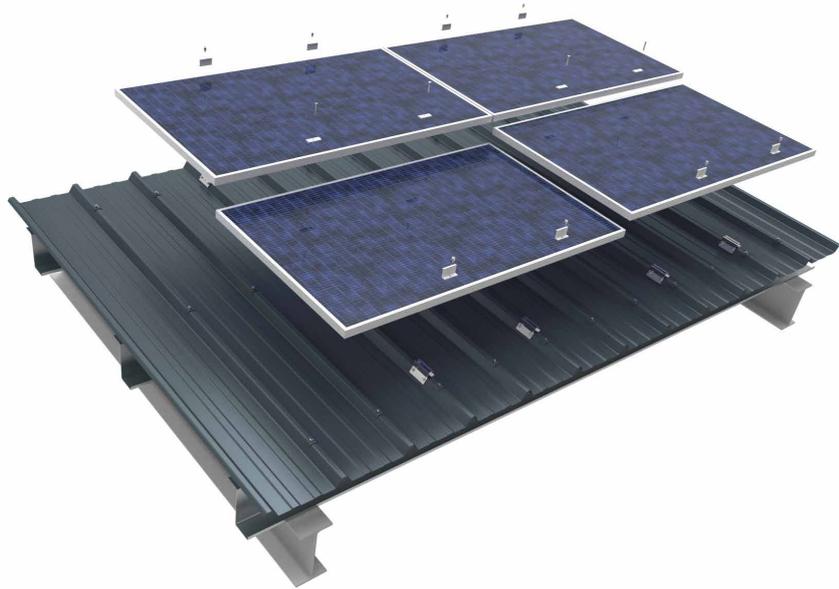


## Can be assembled with panels

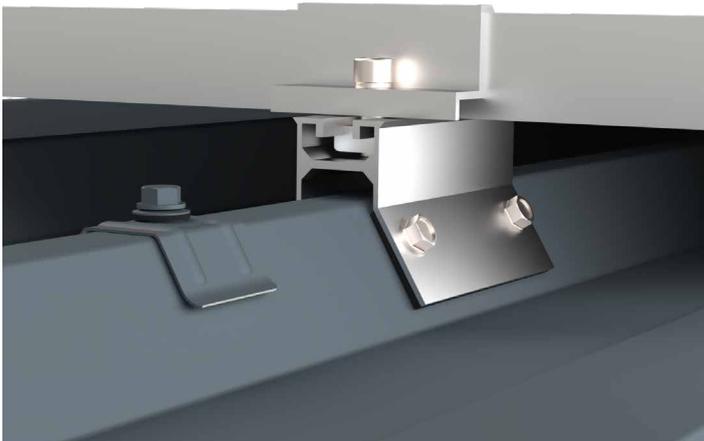
**JI Roof PIR**, the thermal solution for industrial and agricultural buildings.



# Mounting with the Opti'Roof system



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# Jorisolar Opti'Roof Sunshine

Jorisolar Opti'Roof Sunshine is an integration system for photovoltaic modules designed for installation of modules in landscape installation. It is suitable for roofing profiles JI 45-333-1000 and JI Roof PIR



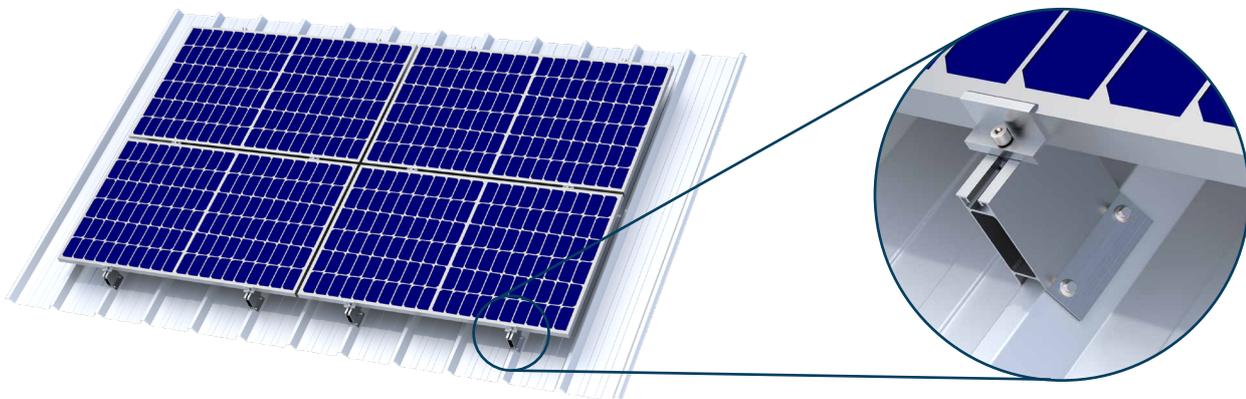
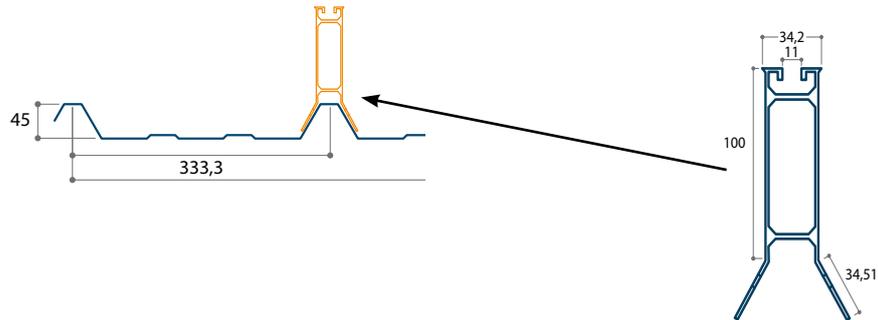
The Opti'Roof Sunshine System is an **elevated version of our Opti'Roof** system, which is already firmly established on the integration system market. Several million m<sup>2</sup> have already been successfully installed in the last 8 years.

We recommend that it is used with our roofing profiles (JI 45-333-1000) in RAL 9010 (brightness percentage of at least 70%). The Opti'Roof Sunshine rail allows **better ventilation of the photovoltaic cells and optimum generation potential from your photovoltaic** system. It can be used with bifacial photovoltaic modules.

The installation of this system is completed only in landscape mode for all types of framed modules.

## Can be assembled with steel profiles

With profile **JI 45-333-1000**

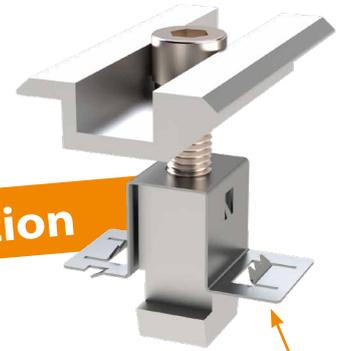


# JoriSolar ST02 Central Flange

An innovation that will simplify the installation of photovoltaic modules compatible with Opti'Roof and RS-R.



Innovation

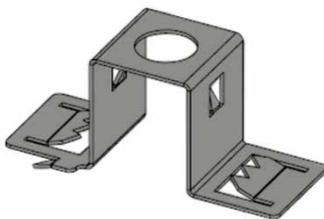
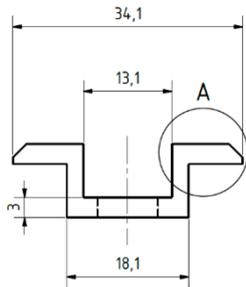


## Technical features

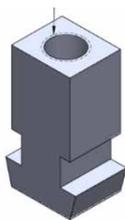
Standard length	60 mm
Metal	aluminium / stainless steel
Type of PV module	suitable for all framed modules
Size of PV modules	30-50 mm
Space between modules	18.1 mm
Type of fastening	M8
Pre-assembly option	yes

## Benefits

- Inter-module earthing connection with a special Terragrif, assembled in-factory
- Perfect earthing connection between modules, module/rail, rail/steel roofing and building structure.
- One Terragrif per module is sufficient -> potential savings
- Suitable for all standard modules
- Long and wide socket on the module top, very good overall mechanical resistance



Terragrif



# JoriSolar RS-R

The Jorisolar RS-R system is the ideal product for the integration of photovoltaic modules on the roof. A single rail allows the implementation of modules in portrait or landscape layout, which can also be fitted to different steel roofing profiles, as dry or insulated sandwich panel profiles. Based on more than 10 years of experience, this product combines simplicity and safety for your installations.

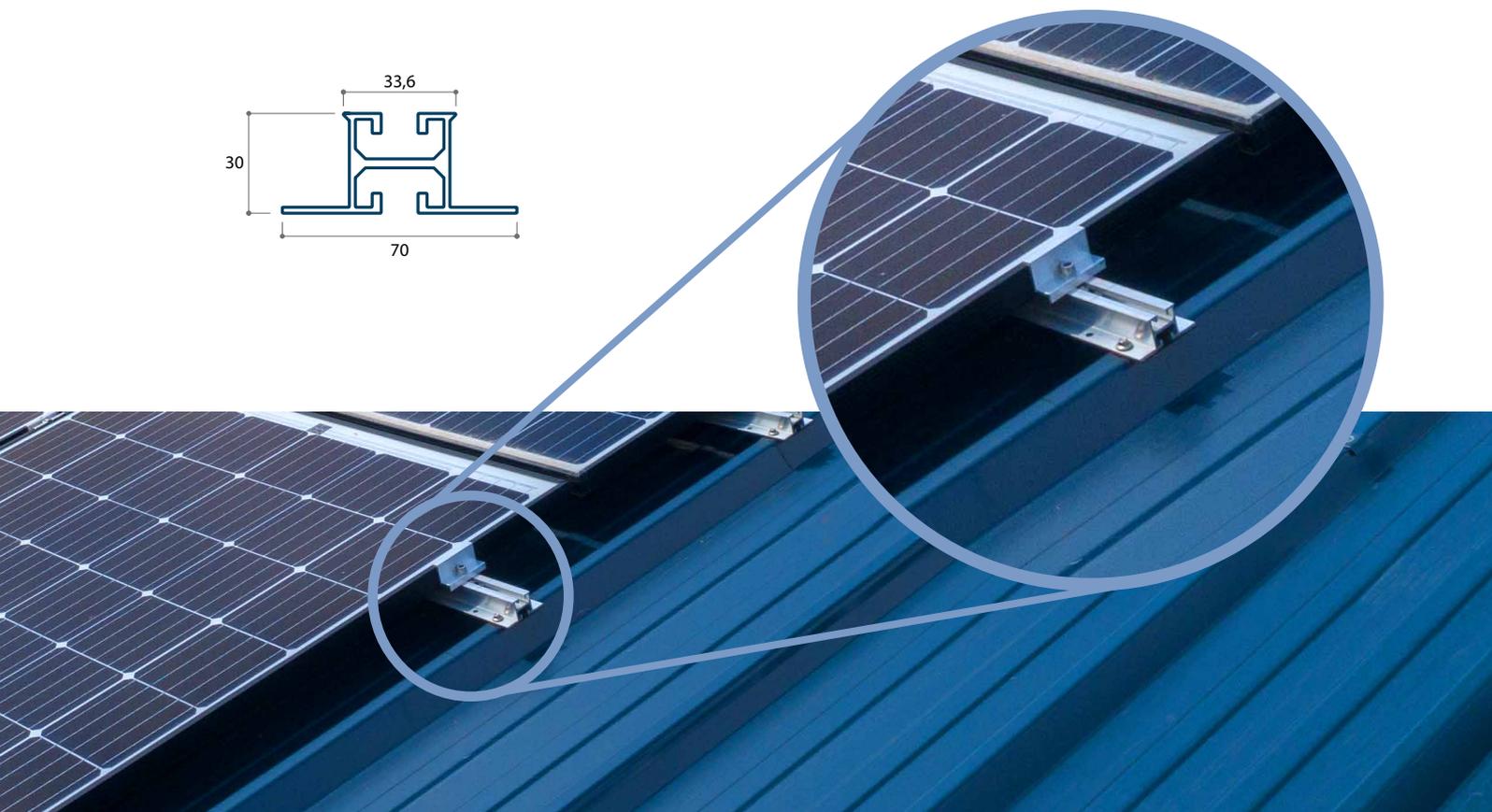
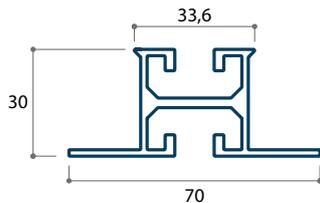


## Technical features

Standard length	385 mm
Width	70 mm
Height	30 mm
Metal	aluminium
Coatings	gross
Accessories	Rayvolt clip
Type of fastening	stainless steel (4 fastening points)

## Benefits

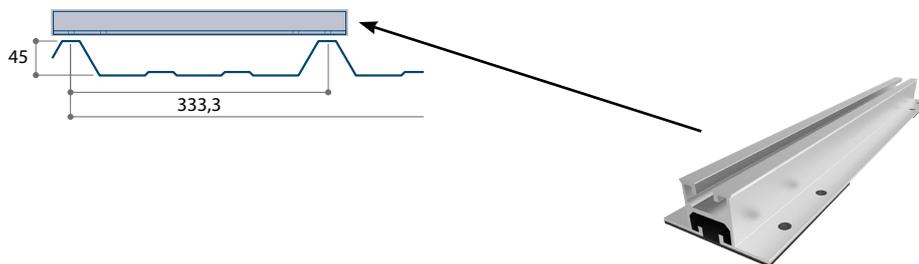
- **Product available since 2011 and precursor**
- **Simplicity of installation and layout**
- **Suitable for a wide range of steel and insulated profiles**
- the rail is drilled at the centre of the waves (250 and 333 mm)
- 250 mm: 4 interior drillings
- 333 mm: 4 exterior drillings
- rail with EPDM seal
- no on-site preparation work
- side and central flanges delivered assembled
- can use aluminium central flanges (13 mm between modules) or ST02 central flanges (18.1 mm)



# Fast and Easy Assembly

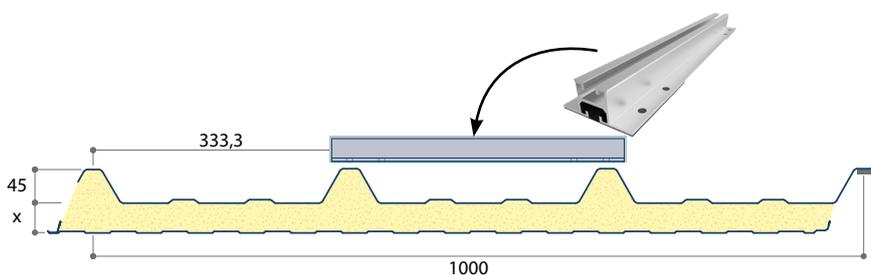
Can be assembled with steel profiles

With profile **JI 45-333-1000**

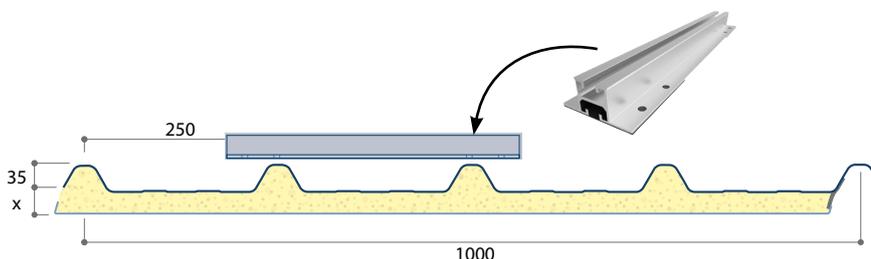


Can be assembled with panels

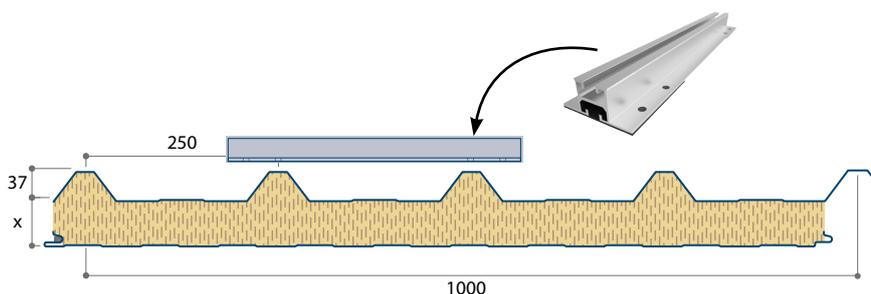
**JI Roof PIR**, the thermal solution for industrial and agricultural buildings.



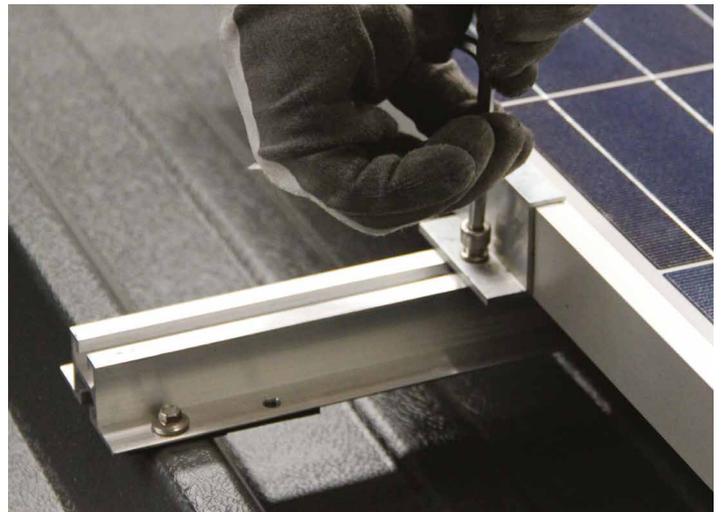
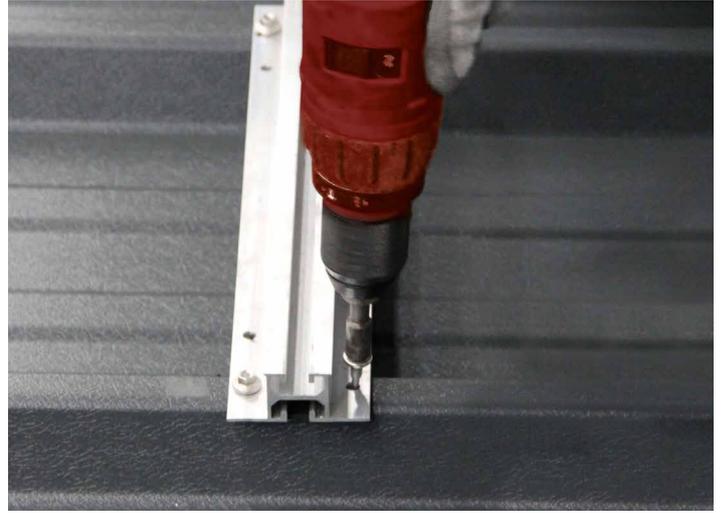
**JI Eco PIR**, the economical solution in sandwich panels.



**JI Vulcasteel Roof**, the solution for roofing according to fire-resistance requirements.



## 6 steps for professional RS-R assembly



*Please contact JI for technical assistance on projects subject to high wind loads, close to the sea or high buildings...*





With more than 30 years of experience, Joris Ide represents a guarantee of quality in the construction market. We provide solutions in all fields: acoustic, aesthetic, fire, thermal. Joris Ide, the essential partner for all your projects.

**Joris Ide Ltd.**

A9, Elmbridge Court,  
Gloucester GL3 1JZ,  
United Kingdom  
☎ +44 (0)1452 412 069  
✉ sales@jorisode.co.uk

**Joris Ide nv/sa**

Hille 174,  
8750 Zwevezele, Belgium  
☎ +32 (0)51 612 871  
✉ info@jorisode.be



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