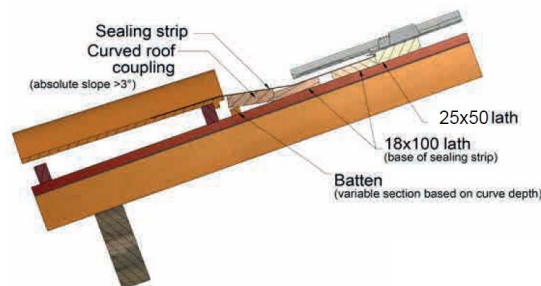
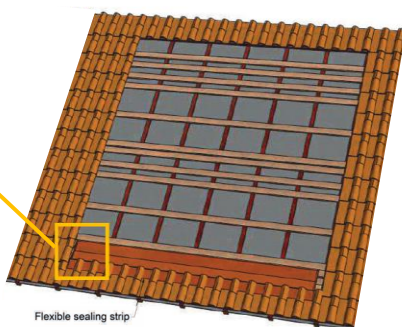
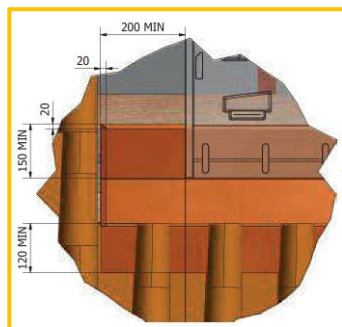


3 Junction to the lower roofing elements

A Junction in the middle of the roof



Laying of the waterproofing strip on:

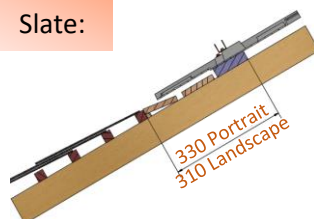
Slate:

Other tiles:



TOP: the butyl strip of 2cm is laid under the frames

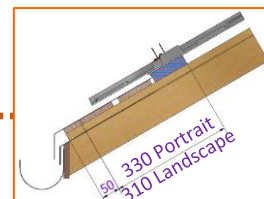
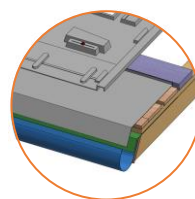
BOTTOM: the butyl strip of 10cm is laid on the tiles



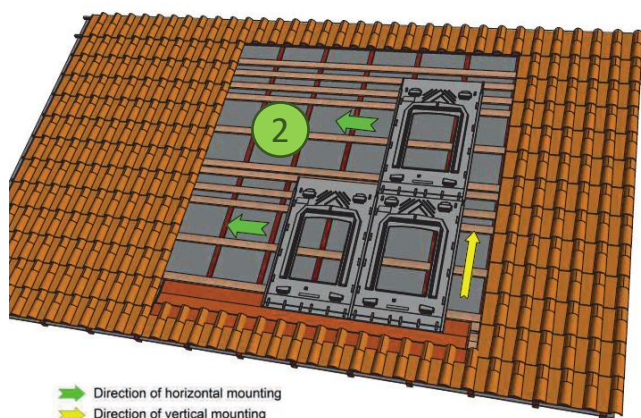
B Junction to the gutter

When installing all the way to the eaves, the PV field can be connected directly to the gutter with a waterproofing strip or a drip flashing.

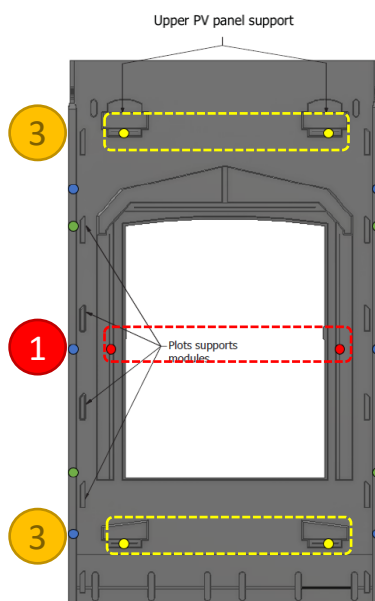
N.B.: the drip flashing isn't included in the GSE kit



4 GSE frames grid



- 1 Fix the 1st frame through the 2 central fixing points
- 2 Assemble and fix the other frames
- 3 Pre-drill & fix the 4 other fixing points



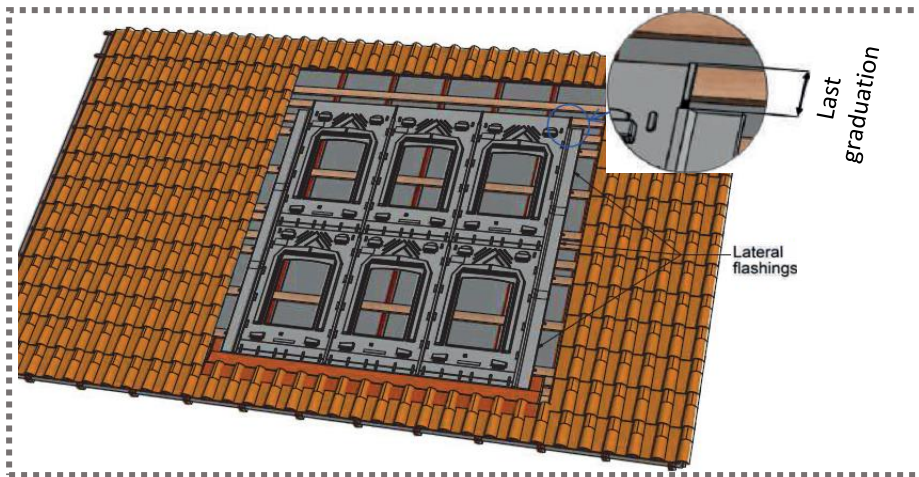
Adjust the graduation between rows according to the module length

- Plate fixing point (without pre-drilling)
- Plate fixing point (pre-drilling 10mm)
- Clamp fixing point (6 clamps) (pre-drilling 10mm)
- Clamp fixing point (4 clamps) (pre-drilling 10mm)

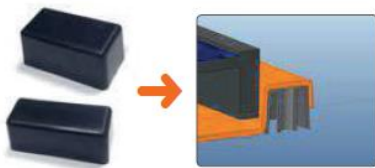


Warning: Do not screw too deep into the frame

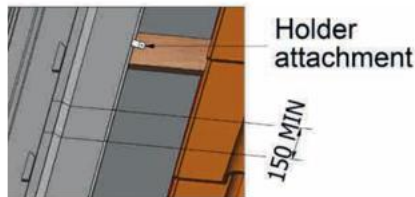
5 Lateral flashings



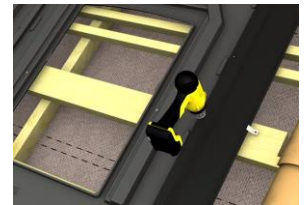
1 Place the wedges beneath the ridges of the frames



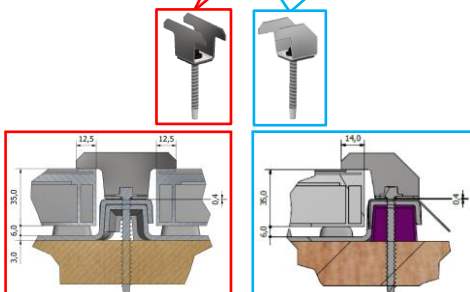
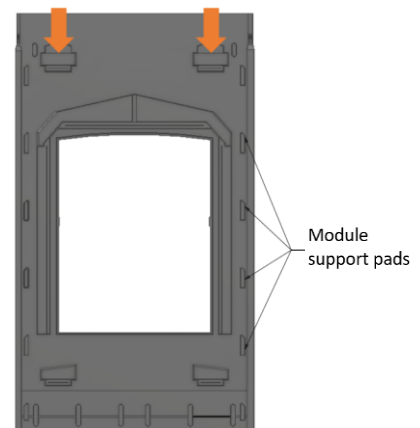
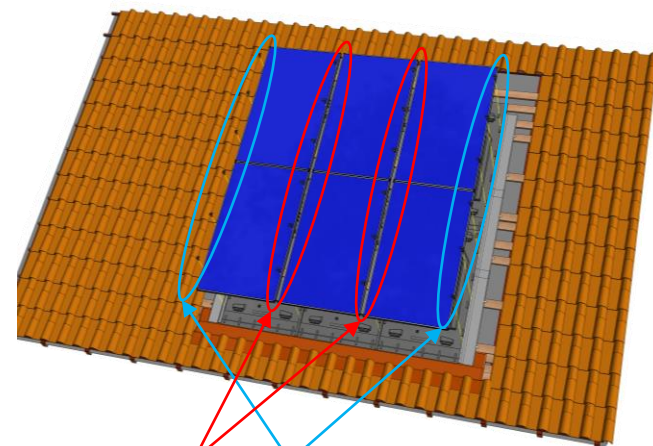
2 Flashings are placed on each other (150mm overlapping)



3 Straight to the clamps position, pre-drill through the flashing, plastic frame and wedge.

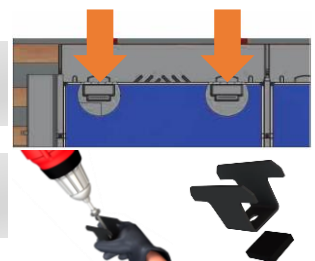


6 Solar panels

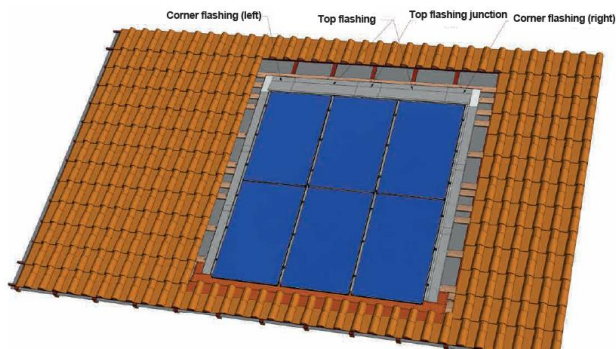


The module is maintained with the upper protrusions and must rest on the pads

Put EPDM foam beneath the clamps and pre-drill it with the screw



7 Top/corner flashings

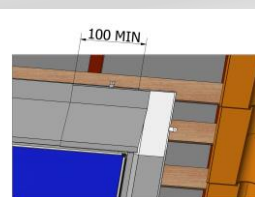
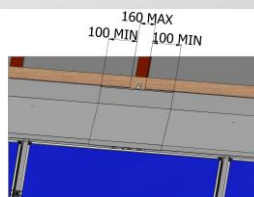
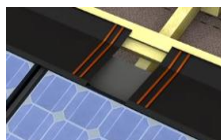


Position the attach angles and the top flashings so that it fits the module thickness. Make cuts on the attach angle at the position of the GSE panel corrugations.



Assemble the top flashing with the junction and the corner pieces.

Apply a seal joint at each junction between 2 pieces



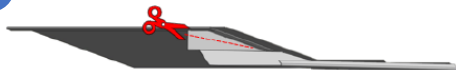
If needed, you will have to cut the corner flashings according to the GSE frame selected and the thickness of the module as defined in the following table:

Module thickness	30-34 mm	35-39 mm	40 et +
Frames 2012	Incompatible*	Needed cut	No cut needed
Frames 2020	Needed cut	No cut needed	Incompatible*

* Laying of a waterproofing strip on top of the PV field

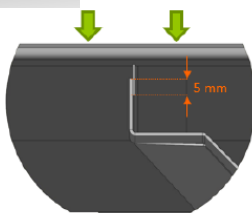
Follow the 3 steps below to cut the corner flashings:

1



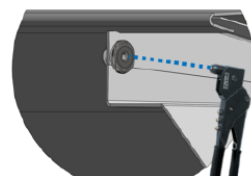
Cut the corner flashing in two distinct pieces

2



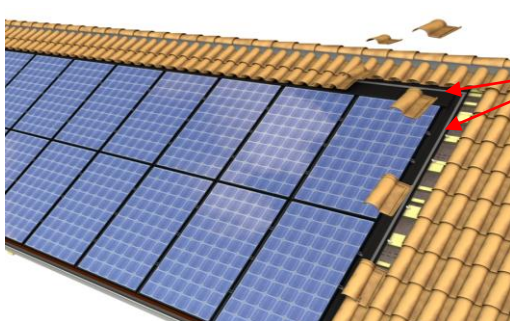
Adjust the height of the corner flashing by overlapping the two pieces

3



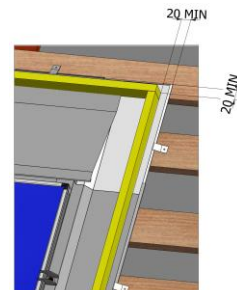
Once the height adjusted, drill the overlapped pieces with a 4,5mm drill bit and fix it with a rivet

8 Connection with roofing tiles

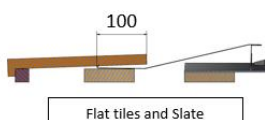
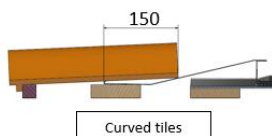
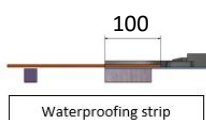


Place the pre-compressed foam on the top and lateral flashings

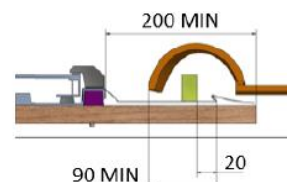
Cut the tiles if necessary. Double tiles can be used on lateral sides.



Top of the PV field



Lateral PV field



Technical support available :
Mon – Fri : 09:30 – 18:00

Whatsapp: +33 7.64.49.97.86
E-Mail: technical.support@gseintegration.com



Installation video Installation manual