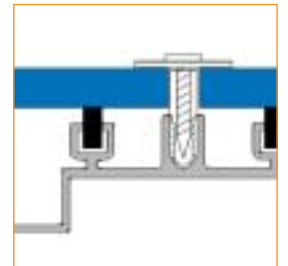
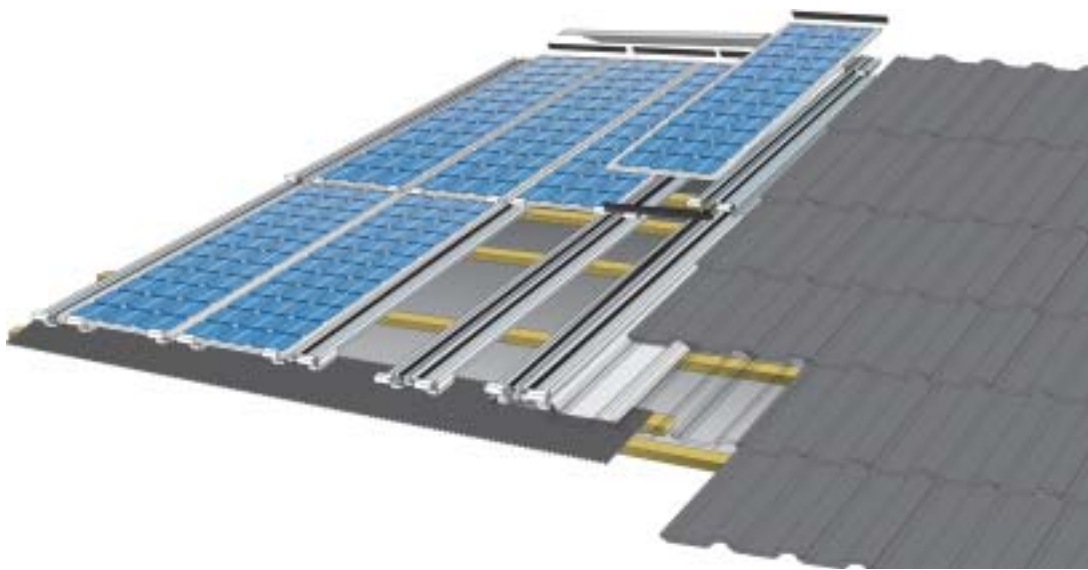


SolarRoof III



SolarRoof III has been designed to integrate unframed PV modules directly in the covering of the roof. This is the visually most appealing method of fastening modules on pitched roofs and has

proven outstanding through years of experience. Particularly convincing is the simple modular concept of the special aluminium profiles.



| **Flexible application.** SolarRoof III kit easily integrates unframed photovoltaic modules in any type of roofing of new or old buildings*.

| **Easy integration.** SolarRoof III is mounted on battens and replaces the conventional roof covering.

| **Individual array.** The roof can entirely or partly be covered with modules. Essentially, all connected module arrangements are possible. Even windows** can be integrated.

| **Fast mounting.** The complete kit (including the flashings made of titanium zinc) is prefabricated according to the selected type of PV module and to the configuration of the modules on the roof.

| **High product durability.** The profiles and flashings are recyclable and guarantee maximum durability through their high corrosion resistance (profiles: aluminium; flashings: titanium zinc; hooks and fasteners: stainless steel; bottom flashing: lead).

| **High impermeability.** In terms of impermeability SolarRoof III fulfils the requirements of conventional tile roofs. The special profiles guarantee sufficient rear ventilation and carry down any rainwater.

| **Aesthetically appealing.** Levelled with the covering of the roof, SolarRoof III is a visually very attractive method of fastening modules.

| **High compatibility with different kinds of modules.** Applicable to almost any type of unframed module from different manufacturers.

| **Guaranteed durability.** Conergy guarantees the durability of its materials for 10 years.

* SolarRoof III can be used with virtually all conventional roofing. For detailed information please contact us during your planning process.
** Depending on individual design.

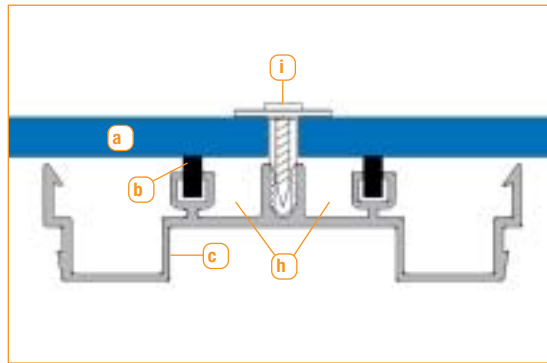
| **Information on our training program can be obtained at: www.conergy.com**

SolarRoof III

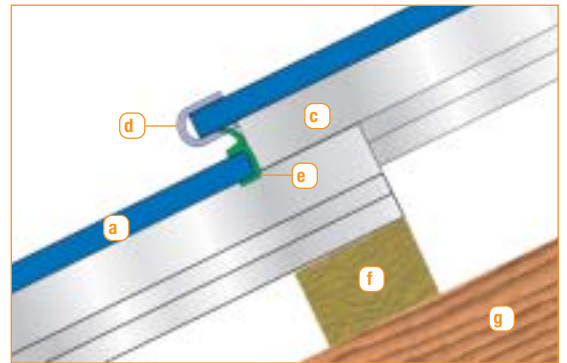
Overview

- a** PV module
- b** Rubber profile
- c** Module supporting profile (MSP)
- d** Module hook
- e** Edge protection rubber
- f** Batten
- g** Rafter
- h** Water drain
- i** Suction safeguarding

Horizontal view:



Side view:



Technical data SolarRoof III (SR III):

Please note: The impermeability of the roof is considerably dependent on professional mounting. We offer product training including mounting instructions upon request. Further information at www.conergy.com.

Range of applications	Pitched roof- roof integration
Mounting type	Shingle technique, overlapping of superimposed modules
Roofing	Nearly all types (further information upon request)
Roof pitch	> 23° (less upon request)
Building height	< 8 m
Permissible loads	Snow load $\leq 0.75 \text{ kN/m}^2$ *
PV modules	Unframed
Thickness of modules	< 10 mm (> 10 mm upon request)
Width of modules	< 750 mm (> 750 mm upon request)
Array of the PV modules	Connected surfaces, as well as entire roof. Integration of windows possible (after previous check)
Alignment	Portrait, landscape**
Size of module field	Any size possible
Position of module field	No special requirements***
Mounting	Standard wood screws for battens 40x60 mm. (changes upon request)
MSPs	Extruded aluminium (AlMgSi 0.5)

Roof hook, small components	Stainless steel (V2A)
Flashings	Top and side flashings made of titanium zinc, bottom flashing: lead
Seals	EPDM (ethylene propylene rubber)
Colour	Profiles/flashings: not treated, optional colour coating, bottom flashing: umber grey
Lightning protector	Optional, available at an additional charge
Warranty	10 years on the durability of the material

* Permissible wind and snow loads depend on the module used. For detailed information please contact us during your planning process.

** Only possible when junction box is placed within a distance of at least 55 mm from the edge of the module.

*** Please note: Wind loads can be considerably increased when installing in edge and corner-areas of the roof. For detailed information please contact us during your planning process.

Distributor: