

BISOL

BISOL BIPV



Aesthetic in-roof system that replaces conventional tiles

BISOL BIPV in-roof system is a building integrated photovoltaic solution that seamlessly integrates into your existing or new roof. The system forms a watertight solar power generating roof surface and thus removes the need for traditional roof tiles. An assortment of colours for the system components as well as the BISOL PV modules forms a sleek and luxurious appearance to satisfy desires of the most demanding and detail-oriented customer.



Excellent snow load resistance



Suitable for high wind zones

Why this mounting solution?

- ▶ Elegant and aesthetic
- ▶ Easy installation and servicing
- ▶ For 10 – 70° roof pitches
- ▶ No need for roof cover
- ▶ Ventilated substructure



Individual components

	Component	ID Code	Component description
1		EM-BIPV.SOL.001	Clamp Solrif® top long (Top mounting clamp for flat sheet metal connections, without screws)
2		EM-BIPV.SOL.002	Clamp Solrif® glass (Mounting clamp glass stainless spring steel, black, without screws)
3		EM-BIPV.SOL.003	Clamp Solrif® black (Mounting clamp profile stainless spring steel, black, without screws)
4		EM-BIPV.SOL.004	Profile Solrif® foam (Valley sealing strip 1000x30x40 / Solrif® foam)
5		EM-BIPV.SOL.005	Fixing for flashing Solrif® / 20x10x37 mm
6		EM-BIPV.SOL.006	Nail DIN1160 2,5x25 (Roofing nail DIN1160 hot-dip galvanised 2.5x25 mm)
7		EM-BIPV.SOL.007	Top flashing joiner, black, 133x23x342 mm
8		EM-BIPV.SOL.008	Flashing corner left, black, 210x41x342 mm
9		EM-BIPV.SOL.009	Flashing corner right, black, 210x41x342 mm
10		EM-BIPV.SOL.011	Mounting clamp glass stainless spring steel, silver, without screws, sea water resistant
11		EM-BIPV.SOL.012	Pan-head screw A2 Torx T20x4'5x3.5 mm
12		EM-BIPV.SOL.013	Mounting clamp profile stainless spring steel, silver, without screws, sea water resistant
13		EM-BIPV.SOL.014	Mounting gauge (WxHxL; (module width + 24)x14x69 mm)
14		EM-BIPV.SOL.015	Aluminium flashing top M10 (21x341x1720 mm), black
15		EM-BIPV.SOL.016	Aluminium flashing side left M10 (120x35.3x1268 mm), black
16		EM-BIPV.SOL.017	Aluminium flashing side right M10 (120x35.3x1268 mm), black
17		EM-BIPV.SOL.018	Aluminium flashing profile standard left M10 (34.5x24.5x1160 mm), black
18		EM-BIPV.SOL.019	Aluminium flashing profile standard right M10 (34.5x24.5x1160 mm), black
19		EM-BIPV.SOL.020	Aluminium flashing corner inner left (203x41.5x332 mm), black
20		EM-BIPV.SOL.021	Aluminium flashing corner inner right (203x41.5x332 mm), black
21		EM-BIPV.SOL.022	Aluminium flashing side inner left M10 (147x34x1268 mm), black
22		EM-BIPV.SOL.023	Aluminium flashing side inner right M10 (149x40x1268 mm), black
23		EM-BIPV.SOL.025	Aluminium flashing side inner short left M10 (120x35.3x1068 mm), black
24		EM-BIPV.SOL.026	Aluminium flashing side inner short right M10 (120x35.3x1068 mm), black
25		EM-BIPV.SOL.029	Eaves profile black
26		EM-BIPV.SOL.030	Connecting sheet black, roll 5m
27		EM-BIPV.SOL.031	Ground connector, Cable cross-section max. 10mm ²
28		EM-BIPV.SOL.032	Grounding set, Cable cross-section 10mm ²

Did you know?

▶ Flashings are not required if the photovoltaic installation extends to the roof edge on any side of the PV array.

System components

Aluminium flashings

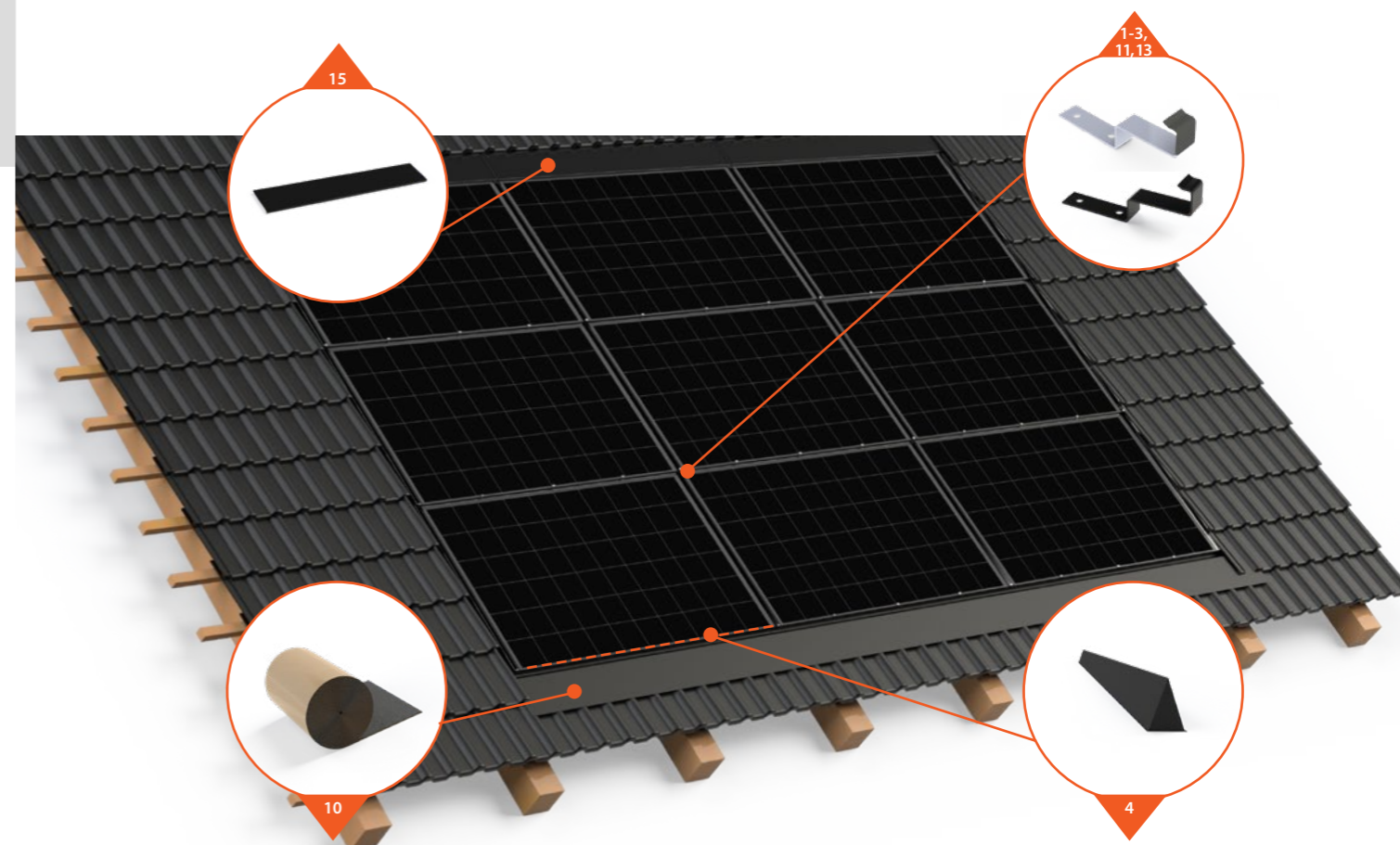
These fit-to-size prefabricated flashings, available in a variety of colours, form a watertight connection between BISOL BIPV system and the conventional roof tiles. The click-in flashings are ready to install without any adjustments to the flashing on field.

EM-BIPV.SOL.015 Top flashing 21 x 341 mm

Module clamps

The module clamps hold the BIPV module in place and provide stability and security during extreme snow and wind conditions. The design of the clamps allows service removing and installing a PV module on any position of the array without removing any of the contacting modules.

Clamp Solrif® glass
Clamp Solrif® silver
Clamp Solrif® black



The foil is a highly robust and weather resistant self-adhesive foil which is used to seamlessly drain roof water from the PV modules to the bottom of the PV array. The foil is not required on PV arrays that reach to the bottom of the roof as the roof water is guided directly into the gutter.

EM-BIPV.SOL.010 Connecting sheet Alu Stretch 300 mm x 5 m

The profile Solrif® foam is installed on the bottom of the installation and it helps to seal the small gaps that may occur between the wooden batten and the PV module. In case of larger height tiles the foam can also be installed on the side flashings.

EM-BIPV.SOL.004 Valley sealing strip 1000 x 30 x 40 mm / Solrif® foam



Aesthetic and elegant



No roof tiles needed



Simple installation & servicing



Extreme weather conditions



Various incline angles



Lightweight



10-year product guarantee