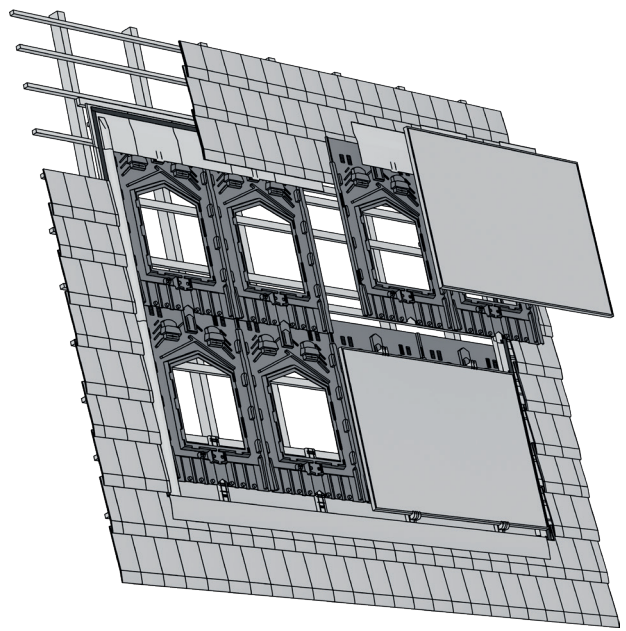






# GSE IN-ROOF SYSTEM LANDSCAPE EVOLUTION



## General characteristics

<b>System</b>	Building-integrated photovoltaic system (BIPV)		
<b>System warranty</b>	10 years, subject to compliance with our installation recommendations		
<b>Application</b>	Pitched roof		
<b>Roof pitch</b> Depending on country certification	 Min. 15° – max. 50°	 Min. 15° – max. 50°	 Min. 15° – max. 50°
	 Min. 15° – max. 60°		
<b>Roof covering type</b>	Slates and flat tiles All interlocking tiles (curved or flat)All interlocking tiles (curved or flat)		
<b>Roof window compatibility</b>	Not compatible		
<b>Weight</b>	16 kg/m <sup>2</sup> (weight with double-glass module, excluding battening)		

## Modules

<b>Module orientation</b>	Landscape		
<b>Module type</b>	Framed module		
<b>Module compatibility</b>	Length	Min. 1,686 mm	Max. 1,990 mm
	Width	Min. 1,090 mm	Max. 1,150 mm
	Frame thickness	From 30 mm	to 35 mm
<b>Exclusion</b>	Not compatible with PV modules with reinforcement bars		



# Mounting system

## System support

Timber battening (with a cross-section and layout in compliance with recommendations)

## Components

Function	Designation	Material	Colour	Manufactured in	Recyclable in
Module fixing	Half-frame	Regenerated polypropylene	Black		✓
	Bottom rail	Aluminium	Black RAL 9005		✓
	Single and middle clamps	Stainless steel AISI 304	Black RAL 9005		✓
Side connections to the roof covering	Lateral flashing	Aluminium 0.8 mm	Black RAL 9005		✓
Top connection to the roof covering	Top flashing	Aluminium 0.8 mm	Black RAL 9005		✓
Bottom connection to the roof covering	Flexible waterproofing strip	Width: 500 or 600 mm	Black RAL 9005		
Fixings and fixing system	Pre-compressed foam	Polyurethane foam	Black		
	Fixings and hooks	Various	Black or natural		✓

## Certifications and tests

### Watertightness

Tested and validated according to the standards NEN 2778:2015, GEN/TR 15601:2012 and MCS 012 Issue 3.0:2023

### Fire resistance

B<sub>Roof</sub> T1 T2 T3 T4

### Mechanical testing

Wind resistance according to the standards NEN 7250:2014, EN 14437:2022 and MCS 012 Issue 3.0:2023

### Certificates



MCS Certificate KIWA00041  
by KIWA



ABz No. Z-14.4-817 by DIBT  
(in progress)



ETN by Alpes Controles  
(in progress)



SPA by KIWA BDA  
SPA 25-004/01/A

