

Datum
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One stop shop service for BiPV



Kiwa offers a one stop testing and certification service for BiPV (Building Integrated Photo Voltaics) for the testing and certification of e.g. transparent glass or tiles with integrated Photo Voltaics products.

What is BiPV?

The acronym BiPV (Building integrated PhotoVoltaics) refers to systems and concepts in which photovoltaics, as well as having the function of producing electricity, also take on the role of building elements. By building element is the part of the envelope of buildings (roof cover, wall facing, glazed surfaces), solar protection devices (sunshadings), additional architectural elements (canopies, balcony parapets, etc.) and any other architectural element necessary for the good functioning of a building (visual and acoustic shielding).

Due to BiPV products there is a much better integration of the energy performance of the building from aesthetic, energetic and economic points of view. Due to developments in PV cell technology, such as thin film and flexible systems the application range of BiPV is growing rapidly.

Kiwa one stop service

The one stop service of Kiwa includes:
a) the testing and certification of the BiPV material as a building product (CE testing and certification towards the CPD Directive) and

b) the testing and certification of the BiPV material towards the International standards for Solar PV performance and safety standards using the Kiwa KQ certification.

c) In some cases national or local requirements may apply to the BiPV product. Here Kiwa can service you as well based upon the network of testing facilities and the recognition and acceptance of Kiwa test results by a broad range of national certification bodies.

By this one stop service our clients do benefit the shortest lead time to the market and more over an, efficient and cost effective project handling.

Transparent Glass

This one stop service is the result of the co-operation of the Kiwa Expert Center Glass and the Kiwa Expert Center Energy using Products. For these products Kiwa combines for you their accredited testing facilities in Germany (Glass laboratory) and Italia (Solar PV laboratory) with the certification services of the Kiwa group for the CPD and Kiwa KOMO.

Products we offer services on are:

- Laminated glass
- Insulating glass
- Structural glazing

Kiwa Nederland B.V.
Wilmersdorf 50
Postbus 137
7300 AC Apeldoorn
The Netherlands

Leendert van der Marel
Tel. +31 55 539 36 05
Fax +31 55 539 36 85

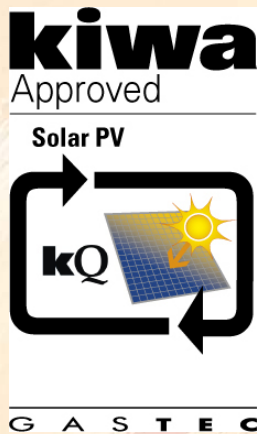
Kiwa Italia Spa.
Via Treviso 32/34
31020 San Vendemiano (TV)
Italy

Luca Votta
Tel. +39 0438 411 755
Fax +39 0438 22 428

www.kiwa-eup.com

Façade Elements

Kiwa can assist your company with acquiring CE-marking on façade elements (like veture kits and panels) in combination with the required test for Solar PV. Kiwa offers testing, consultancy and certification services.



Metallic Panels

Kiwa has various certification schemes for metallic panels and raw materials like Zinc. These can be combined with the Solar PV services of Kiwa IT.

Solar Shadings

Solar screens, blinds and shutters are subject to CE-marking. Kiwa offers various consultancy and testing services on these products.

Product	Sub-product	Standards	Prices	Turnaround
Tiles	Concrete Clay Stone	EN 490	TBA	TBA
		EN 1304	TBA	TBA
		EN 12326	TBA	TBA
		BRL 1103	10 k€	TBA
		BRL 1510	4 k€	TBA
Metallic Panels		EN 14782	TBA	TBA
		EN 14783	TBA	TBA
		BRL 1504	3 k€	TBA
		BRL 2034	4 k€	2 months
Waterproofing membranes	Flexible Sheets	EN 13707	2 k€	TBA
		EN 13859	TBA	TBA
		EN 13956	2 k€	TBA
		EN 13967	TBA	TBA
		EN 13969	TBA	TBA
		EN 13970	TBA	TBA
		EN 13984	TBA	TBA
		EN 14909	TBA	TBA
		EN 14967	TBA	TBA
		ETAg 006	15 k€	0,5 year
Transparent glass	Laminated glass Insulating glass Structural glazing	EN14449	2 - 10 k€	2 months
		EN 1279-5	5,5 k€	2 months
		ETAg 002	15 k€	0,5year
		BRL 2202	10 k€	3 to 4 months
Façade elements	Veture Kits Wood panels	ETAg 017	15 k€	0,5year
		EN 14915	TBA	TBA
Solar shadings	Blinds Shutters	EN 13561	3 k€	2 months
		EN 13569	3 k€	2 months