

Solar Keymark and Zonnekeur for Solar Collectors & Boilers



ZONNEKEUR

As an active player in the field of Solar energy, you know how important it is to have your collectors and systems certified by an international recognized Testing and Certification Body. No need to highlight the absolute necessity that local authorities, banks, funding organizations DO accept the certificates where you have invested in!

Congratulations!! You have just found the exactly right partner in Kiwa Gastec!

A couple of years ago Kiwa Gastec introduced the service testing and certification of solar boilers for *Zonnekeur*, a Dutch quality mark. Recently we have been approved as a testing and certification body for the European quality mark *Solar Keymark*.

Solar Keymark and Zonnekeur

The voluntary Dutch *Zonnekeur* quality mark makes a statement concerning the safety, reliability, and durability of a solar boiler as well as the energy saving it realises. It aims to stimulate the implementation of high-quality solar boilers.

Solar Keymark is the European quality mark for solar boilers and collectors.

Standards and criteria

The *Solar Keymark* and *Zonnekeur* quality marks for solar boilers are based on product testing and assessment in accordance with the European EN 12976 standard. *Solar Keymark* for solar collectors is based on the European EN 12975 standard.

Additional testing may be required for European certification due to specific national regulations, e.g. in relation to tap-water quality or fire safety. All of the requirements for *Zonnekeur* certification are included in ZK-2 (*Zonnekeur* label criteria for solar boilers and plant-manufactured solar boiler systems).

The road to Solar Keymark and Zonnekeur

If you are a manufacturer or supplier, the following process applies: based on your request, Kiwa Gastec sends you an offer specifying, among other things, the test programme, sampling, inspection of your production process, and the certification schedule. Our offer takes account of the product test results you may already have acquired from other accredited test institutes. After your product passes the tests successfully, Kiwa Gastec draws up a *Solar Keymark* and/or *Zonnekeur* monitoring agreement in consultation with your company.

Once you have signed the monitoring agreement, we will send you the complete test report and the *Solar Keymark* and/or *Zonnekeur* certificate. From that moment on, you are allowed to use the relevant logo(s) on all your *Solar Keymark* and/or *Zonnekeur*-certified products.

Kiwa Nederland B.V.
Wilmersdorf 50
P.O. Box 137
7300 AC Apeldoorn

Tel. +31 (0)55 539 33 55
Fax +31 (0)55 539 36 85
www.kiwa-eup.com



Monitoring

An annual inspection is performed to renew the *Solar Keymark* and/or *Zonnekeur* certification. Every two years, we check if the manufactured products are equivalent to the products that were originally tested. The annual inspection reviews whether you, as a manufacturer, correctly implement the Factory Production Control (FPC) system for solar boiler / collector production. FPC is a quality assurance system that comprises elements of ISO 9001. It safeguards the quality of the product and the production process. For the *Zonnekeur* quality mark, one audit is performed in the year in which the monitoring agreement is signed. From that time forward, a follow-up audit is conducted every two years.

Solar PV Testing & Certification:

Also in the area of solar PV modules you can rely on a team of highly experienced experts that are fully client orientated!

Kiwa operates an internationally recognized certification scheme for Solar PV modules (Crystalline and Thin Film). This is the KIWA Quality Approval.

We have the availability of an accredited laboratory to test PV modules according to EN 61730 for safety, EN 61215 and EN 61646 for performance requirements.

Besides the modules Kiwa Gastec is offers testing and certification of **Inverters** and **grid connections**.

We are accredited in order to test and certify according to the Low Voltage Directive, EMC Directive and for different grid requirements.

Renewable technologies

Fuel cells, Distributed Generation (DG) and Combined Heat and Power (CHP) systems, known also as cogeneration, are increasingly coming into focus. Many new products are emerging based on different technologies. Before selling or demonstrating, systems need to show compliance to the applicable European directives. Kiwa Gastec provides 'one stop shop' services for your approval, including CE advice, testing and certification services.

More information?

If you are interested in *Solar Keymark* or *Zonnekeur* and would like to receive more information, please contact:

Kiwa Nederland B.V.

P.O. Box 137
7300 AC Apeldoorn
The Netherlands
Mr. Leendert van der Marel
Phone: +31 (0)55 53 93 605
Mobile: +31 (0)6 22 988 434
E-mail: leendert@kiwa.nl

Kiwa Gastec Italy

Via Treviso 32/34
31020 San Vendemiano (TV)
Italy
Mr. Claudio Soligon
Phone: +39 0438 411755
Mobile: + 39 348 7047512
e-mail: claudio.soligon@kiwa.it

