



## Romag Ltd Limited Warranty for PowerGlaz® Photovoltaic Modules

For Solar Modules types SMT6, PP6 and  
RI Roof Integrated Solar Tiles

(Valid from May 2012)

# Scope of Guarantee

The PowerGlaz® photovoltaic modules have been meticulously manufactured by Romag Ltd and are, if used correctly according to the operating instructions and other pertinent regulations, neither a risk to life and limb nor to materials.

In the production process PowerGlaz® photovoltaic modules are checked and tested for their functionality, performance and perfection. Romag Ltd guarantees that the solar modules will be free of material and processing defects for the period defined below under normal application, installation, mounting, commissioning, operating, and maintenance conditions and in accordance with their intended use. Romag will at its sole discretion either repair or replace the product or refund the purchase price paid by the customer ("Purchase Price"). This warranty applies only to PowerGlaz® photovoltaic modules which were sold by Romag Ltd in Europe and were labelled originally with the name of the manufacturer, Romag Ltd. Costs incurred in disassembly of a faulty product, return transport to Romag Ltd, re-installation and lost income particularly with respect to Feed-in Tariffs are specifically excluded from this warranty.

## Material and processing warranty

The warranty period for material and processing errors is 10 Years from the delivery date or date of invoice whichever is the earliest (delivery note or invoice document).

The warranty for material and processing applies for all possible material and processing errors which come into question but does not include errors which result from incorrect handling, product modifications, installation, conversion or additions, supplements, operation, natural elements, excessive or deficient energy supply, chemicals, the effect of solid bodies or wilful damage.

Any warranty works carried out or payments made do not extend the warranty period.

## General conditions for claim

Romag Ltd provides warranty for defects on the modules delivered by Romag Ltd. Other defects, damage or demands, no matter of which type, are not covered by this warranty.

The above-stated performance warranty exclusively applies to losses in performance which arise through degradation and do not apply for other defects on the modules or losses of performance through other defects such as, for example:

- through incorrect installation
- through defective system components e.g. incorrect load-bearing construction including supporting structures, inverters, connecting cables or string diodes
- environmental influences such as contamination or damage through smoke, gases, salt, chemicals
- through natural elements
- over or under supply of energy (over or undervoltage)
- through deficient servicing
- through the influence of solid bodies
- through deficient plant planning, configuration or assembly
- incorrect handling or incorrect operation
- through unsuitable servicing and unsuitable tests, glass breakage due to external influences, external stress or vandalism or theft
- through operation under unsuitable ambient conditions or through unsuitable methods deviating from the product specifications, operating instruction or nameplate information
- through operation on mobile units e.g. cars, boats or aeroplanes etc.
- Other events beyond our control e.g. acts of God or other unforeseen circumstances.

## 25-year performance warranty

Romag Ltd perform a module output test on each and every module produced in our factory. Modules are sorted and graded in 5Wp intervals. A positive measurement tolerance is employed, only modules demonstrating more than the nominal power value are included in each class.

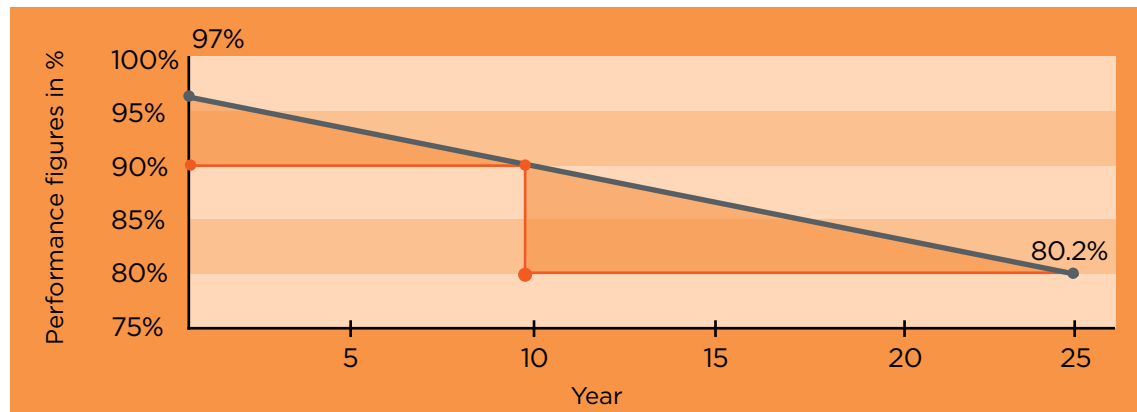
Romag Ltd warrants that the panels supplied will maintain power output for a total of 25 years from date of purchase.

Romag Ltd operates a 25 year linear performance warranty

- Year 1 - No less than 97% output
- Years 2 -25 - No greater than 0.7% reduction of power output per year

This guarantees at least 90.7% minimum rated power output after 10 years and at least 80.2% minimum rated power output after 25 years.

### Solar performance guarantee for Romag modules



- Romag linear performance guarantee
- Other manufacturers stepped performance guarantee

If within the above period a module is found to be defective Romag will at its sole option either compensate for the loss of power by supplying additional modules or by repairing or replacing the defective module(s) or reimburse a proportion of the purchase price taking in to account any annual depreciation of 4% of the original purchase price.

**Any warranty works carried out or payments made do not extend the warranty period.**

The determination of performance shall take place according to IEC 60904 by checking the photovoltaic module under STC conditions (cell temperature 25°C, radiation 1000 W/m<sup>2</sup>, AM 1.5) with a system calibrated by Romag Ltd and with an approved reference module. The minimum performance to be assumed on commencement of the warranty period can be seen from the performance information (performance class) affixed to the PowerGlaz® module, less the measurement tolerance of the measuring device used.

## Claims

In order to submit a claim under this warranty you will need to submit a written description of the defect, attaching the invoice providing the purchase date and the serial number of the module(s) in question. If any breach of this warranty is reported to Romag Ltd, in writing, before the end of the final year of the applicable warranty period, Romag Ltd must be given the opportunity to view and investigate the cause of the alleged defect 'in-situ', as failure to adhere to this procedure will result in the warranty becoming null and void.

If Romag Ltd elects to supply a replacement product, the Warranty thereon will extend to the balance of the original warranty period.

This is the only extended Warranty made to any organisation, or individual, in relation to the above named components and is offered in accordance with our terms of sale.

Other than as detailed above Romag Ltd shall not be liable for incidental or consequential damages of any sort arising from a claim made relating to this Warranty.

This Warranty is only valid if payment, in full, has been received by the Company in respect of all goods of their supply.

Only Romag Ltd has the authority to amend this Warranty.

Romag Ltd shall accept no returns of modules without the previous written authorisation of Romag Ltd.



#### Contact

All correspondence with Romag Ltd shall be conducted through the following address:

**Romag Ltd**, Leadgate Industrial Estate, Leadgate, Consett, County Durham, UK, DH8 7RS.

Tel: **01207 500 000**

email: **[sales@romag.co.uk](mailto:sales@romag.co.uk)**

or visit **[www.romag.co.uk](http://www.romag.co.uk)**.