

A. Rationale

The SEAI Home Energy Grants provide financial incentives to homeowners who carry out certain energy efficiency upgrades to their homes. The scheme is administered by The Sustainable Energy Authority of Ireland and aims to increase the use of sustainable energy technologies within Irish homes. The objective of the equipment registration process is to promote quality in the marketplace and to facilitate the administration of the scheme in relation to product testing requirements. The equipment registration process for Solar Thermal collectors is managed by SEAI in collaboration with external consultants..

B. Conditions for Equipment Registration

The SEAI Home Energy Grants provide support towards active solar thermal energy systems for domestic water heating. Only registered equipment will be eligible for funding under the SEAI Home Energy Grants. The list of registered products will be maintained on SEAI's website at:

<https://www.seai.ie/resources/publications/Solar-Thermal-Registered-Product-List.pdf>

In order to be eligible for support under the programme, the equipment to be installed should meet the following criteria:

B.1. Definition of eligible product and identification:

The eligibility applies to systems using solar collectors with glazed absorbers and insulated against heat losses. The heat transfer medium can be liquid or air.

Registration is for an individual collector type. A type is generally defined as products with the same specifications for materials, sub-components and configurations. However, if the manufacturer produces the "same" collector in different lengths and/or widths (i.e. the only difference between two collectors is the length and/or width) the collector is considered the same type.

Verification of compliance:

A clear description of the solar collectors must be provided with sufficient details to be able to identify the collector types (identification name or number, construction details, sizes, etc.), the intended purpose and general considerations for their use in a solar thermal system.

B.2 Performance and Durability

A solar collector will be assessed for registration under the SEAI Home Energy Grants on the basis of the results:

- Defined in EN 12975-1 & EN 12975-2 test reports for both ***thermal performance*** and ***durability***.
- Defined in recognized equivalent standards, e.g: EN 12976 for Factory made Solar Heating Systems, EN 12977 for Custom Built Solar Heating Systems, ISO 9806-1&2, for ***thermal performance*** and ***durability***.

Verification of compliance

A copy of the test report(s) for thermal performance and durability for each collector type must be provided. The test report shall be from a laboratory accredited for testing according to the appropriate standard. The report shall identify clearly:

- Name and contact details of the testing laboratory
- Standard used for testing
- Name and details of manufacturer
- Collector type covered by the test

The test report shall be dated and signed. Test results must be unequivocal.

B.3 System Documentation

Solar collectors shall be accompanied by an installer instruction manual in English, if traded as stand-alone components. If they are part of a complete system, the system installation manual shall cover the complete system. The instruction manual shall at least contain the following information (as per EN 12975-1):

- Dimensions and weight of the collector, instructions about the transport and handling of the collector;
- Description of the mounting procedure;
- Recommendations about lightning protection;
- Instructions about the coupling of the collectors to one another and the connection of the collector field to the heat transfer circuit, including dimensions of pipe connections for collector arrays up to 20 m²;
- Recommendation about the heat transfer media which may be used (also with respect to corrosion) and precautions to be taken during filling, operation and service;
- The maximum operation pressure, the pressure drop and the maximum and minimum tilt angle;
- Permissible wind and snow load;
- Maintenance requirements.

The solar thermal system installed shall be accompanied by the relevant documentation concerning personal safety, maintenance and handling of the product. The documentation shall be made available in English to all customers who purchase the solar thermal system.

Verification of compliance:

A copy of the installer instruction manual and customers' documentation in English shall be provided with the registration application form. These documents shall be directly relevant to the different collector types submitted for registration.

C. How to apply for equipment registration

C.1. Who can submit an application?

The application can be submitted by the equipment manufacturer or one of its designated agents in Ireland. If the application is submitted by a manufacturer who is not based in Ireland, an Irish agent must be identified as a local contact during the application process.

C.2. How to submit an application?

Before applying, you need to make sure that you have completed the form attached correctly and that you have enclosed all required documentation (see checklist). You can then submit your application by post or e-mail to:

Better Energy Homes Scheme
Sustainable Energy Authority of Ireland
P.O. Box 119
Cahirciveen
Co. Kerry

E-mail info@betterenergyhomes.ie

If you need further information, please do not hesitate to contact our helpdesk at 01 808 2100.

C.3. How long does the registration process take?

Upon receipt of an application, you will be notified within 5 working days of any missing information required for the registration process. Once the application file is complete, the registration process will be completed within 10 to 15 working days.

If the application is successful, the registered equipment will be included in SEAI's list of registered products at the next update of the list. This list is updated every 10 to 15 days.

D. How to be listed as a supplier?

Designated Irish suppliers of a particular product can be listed under each manufacturer's section within the list of registered equipment. This is to facilitate consumers identifying companies supplying a particular product for information, quotation and procurement.

To register as a supplier, please fill in your contact details in the form attached and return it to SEAI-REIO (contact details in C.2). This shall be accompanied by a signed declaration from the manufacturer of the relevant equipment, or its main distributor, stating clearly that your company is recognised as one of its agents.

The list of suppliers is limited to 10 companies for each manufacturer's section.

1. Supplier Details

Full Name: _____
Address 1: _____
Address 2: _____
County: _____
Telephone: _____
Mobile: _____
Fax: _____
Email: _____
Website: _____

Contact persons

Company Director(s): _____
Sales representative(s): _____

Registration of Solar Thermal Systems for the SEAI Home Energy Grants

3. Details of solar collectors submitted for registration & checklist:

Please complete the following table for each type of collector submitted for registration. Please complete a separate line for each type you wish to include on the registered list.

Manufacturer	Model (name and number)	Collector Type (Flat plate or tube)	EN Performance Test Report Submitted (12975)	EN Test Report Submitted (12975 Durability)	Installers Manual Submitted in English

If additional lines are required please print or photocopy this page and include with application.

4. Warranty on solar collectors

Please declare how many years of warranty (parts and labour) your customers are offered on the appliances supplied by your company. Minimum requirements for registration are 5 years.

Flat Plate Collector : _____

Tube Collector: _____

5. Declaration

Please sign and date the following declaration.

I/we confirm that the information submitted in the application form is correct to the best of my/our knowledge. I/we accept that the final decision of whether a specific panel is registered for the SEAI Home Energy Grants is at the discretion of SEAI.

Name: _____

Authorized Representative of: _____

Signature: _____

Date: _____