

## SINTEF Product Certification

SINTEF Product Certificate issued by SINTEF Certification is an attestation of conformity to a technical specification for a building product, and confirms that the product is subject to satisfactory product and factory production control. SINTEF Product Certification is a voluntary system. SINTEF Certification is accredited for certification of construction products.



### Purpose

The Technical regulations to the Norwegian Planning and Building Act require that a product, when installed in a building, shall satisfy essential requirements related to

- Mechanical resistance and stability
- Safety in case of fire
- Hygiene, health and the environment
- Safety in use
- Protection against noise
- Energy economy and heat retention

Manufacturers must ensure that satisfactory documentation of product performance is available, and products may be submitted to assessment and control systems in order to demonstrate that the product fulfils the relevant technical specifications. The purpose of SINTEF Product Certificates is to provide this type of product with a conformity attestation.

### Status

SINTEF Building and Infrastructure, represented by SINTEF Certification, is appointed as a notified body no. 1071 by the Ministry of Local Government and Regional Development to perform testing, inspection and certification according to the Council Directive 89/106/EEC on construction products. Certification procedures are based on EN 45011 General requirements for bodies operating product certification systems. If a product meets the requirements of a harmonized European product standard requiring certification, a SINTEF Product Certificate provides the necessary basis for CE-marking. SINTEF Building and Infrastructure, represented by SINTEF Certification, is accredited by the Norwegian Metrology and Accreditation Service (NA) to perform certification of construction products.

### Products eligible for certification

A product may be certified if a Norwegian standard, an international standard, or another relevant technical specification exists. A product may also be certified according to more than one specification or to parts of a specification.

A certificate is issued when the product has been assessed by SINTEF Certification and found to be in conformity with the relevant specifications. The certificate is accompanied by a contract governing the commitments of the bodies involved.

### Product- and factory production control

Product- and production control is assessed and carried out for all products with a SINTEF Product Certificate. The manufacturer must have a satisfactory quality assurance system for the current production, and when required by the technical specifications the system shall be subject to audit by an independent inspection body. This is achieved by means of factory visits carried out by SINTEF Certification or by an inspection body that inspects the factory on behalf of SINTEF Certification. Product control may also include audit testing of product properties. Provided the manufacturer has a certified quality assurance management system (e.g. in accordance with ISO 9001), the audit of the management system is as far as possible co-ordinated with the supervisory factory production control.

### Basis for certification

SINTEF Product Certificates are issued for both domestic and imported products, provided that relevant product standards or other technical specifications are available. Assessment of product conformity is based on test results, calculations or other types of property verification carried out by an impartial and competent body.

### Marking

Certification marks are issued in order to prove that a product is certified. The marks include the SINTEF Certification logo and the certificate number. This mark may be applied to the product, on the packaging, or used in product marketing.

### CE-marking

In order to CE-mark a product, the producer must confirm conformity with either a harmonized European product standard (hEN), or a European Technical Approval (ETA). For

products which may have great influence on essential properties of the construction (load carrying capacity, safety in use and in case of fire), certification is mandatory.

### Validity

A certificate is generally valid for a five-year period. A follow-up contract is made between SINTEF Certification and the holder of the certificate, and the certificate is revised and continuously updated if changes are made to the product or in the production. Any breach of the conditions for the certificate may result in immediate invalidation of the certificate.

### Publication

Certificates may be duplicated and distributed by each individual holder as required

Valid certificates are published on the SINTEF Certification web site, [www.sintefcertification.no](http://www.sintefcertification.no).

### Confidentiality

All information received by SINTEF Certification from the manufacturer for the assessment of products, production processes etc. is treated as confidential.

The obligation regarding confidentiality persists also after the validity of the certificate has expired.

### Request for product certification

An application for certification should include

- description of the product,
- intended use
- references to relevant standards or other technical specifications
- factory production control system
- quality assurance system
- references to documentation of product properties

Test reports, calculations and other relevant information (e.g. marketing folders, installation guides, datasheets etc.) should be attached to the application.

### Alternative to product certification

If no relevant standard or technical specification exists for a given product, or the manufacturer prefers a more comprehensive documentation ( e.g. documentation of special properties, fields of application, fitness for use), SINTEF Certification may issue a technical approval for the product. See separate information on SINTEF Technical Approval.

### SINTEF Certification

SINTEF Certification issues certificates and approvals for construction products. Documentation is issued as SINTEF Product Certificates, SINTEF Technical Approvals and European Technical Approvals.

### Further information

For further information please contact SINTEF Building and Infrastructure:

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