

CE Marking of Insulation Materials and Sheets for Waterproofing

Ensure insulation materials conformity and access the entire European market



Insulating materials are used in construction due to their properties to protect against heat or cold (thermal insulation), noise (acoustic insulation), fire (fire insulation) or water (water insulation). Sheets for waterproofing used as water insulation act as a moisture barrier, preventing water from entering or filtering through the various elements that make up a building, and like all other insulating materials, they are permanently added to the structures, directly influencing their quality and safety. Marketing of insulating materials in Europe is regulated by the Construction Products Regulation 305/2011.

Manufacturers or their representatives in the European Union are solely responsible for compliance of their products with the terms of the regulation, both for trade and use. When a manufacturer identifies its insulating material with the CE mark, this shows that the material complies with the harmonized standards and therefore fulfills the essential requirements of the regulation.

CE marking of insulating materials and waterproofing sheets is regulated by a 1, 2+ and 3 assessment system, according to the product and its end use. These assessment systems require the intervention of a notified body, either to perform the factory production control audit and/or to perform the type tests.

Solution

Applus+ is a Notified Body* for CE marking of insulating materials and sheets for waterproofing. We work with the manufacturers of these products throughout the entire CE marking process. The harmonized standards for CE marking of insulating materials and sheets for waterproofing are as follows:

EN
13707 Flexible sheets for waterproofing: Reinforced bitumen sheets
EN

- 13859- Flexible sheets for waterproofing: Underlays for discontinuous roofing
1
EN
13859-2 Flexible sheets for waterproofing. Underlays for walls
EN Flexible sheets for waterproofing. Plastic and rubber sheets for roof
13956 waterproofing
EN Flexible sheets for waterproofing. Plastic and rubber damp proof sheets
13967 including plastic and rubber basement tanking sheet
EN Flexible sheets for waterproofing. Bitumen damp proof sheets including bitumen
13969 basement tanking sheets
EN
13970 Flexible sheets for waterproofing. Bitumen water vapour control layers
EN
13984 Flexible sheets for waterproofing. Plastic and rubber vapour control layers
EN Thermal insulation products for buildings. Factory made mineral wool (MW)
13162 products
EN Thermal insulation products for buildings. Factory made expanded polystyrene
13163 (EPS) products
EN Thermal insulation products for buildings. Factory made extruded polystyrene
13164 foam (XPS) products
EN Thermal insulation products for buildings. Factory made rigid polyurethane foam
13165 (PU) products
EN Thermal insulation products for buildings. Factory made phenolic foam (PF)
13166 products
EN Thermal insulation products for buildings. Factory made cellular glass (CG)
13167 products
EN Thermal insulation products for buildings. Factory made wood wool (WW)
13168 products
EN Thermal insulation products for buildings. Factory made expanded perlite board
13169 (EPB) products
EN Thermal insulation products for buildings. Factory made products of expanded
13170 cork (ICB)
EN Thermal insulation products for buildings. Factory made wood fibre (WF)
13171 products
EN Thermal insulation products for buildings. In-situ formed expanded clay
14063-1 lightweight aggregate products EN 13170

CE marking based on the assessment system and previously mentioned harmonized standards defines a series of tasks to be performed by the manufacturer and the Notified Body:

Manufacturer responsibilities:

- To perform type testing (airborne and impact noise transmission, fire resistance, thermal transmittance, durability, water absorption, etc.)
- To implement Factory Production Control (FPC) in the company.

- To draw up a program of follow-up tests, specifying types, frequencies, etc.

Responsibilities of the Notified Body, as applicable:

- To perform type testing (when applicable)
- To perform FPC Initial Inspection, assessment and acceptance
- To make the annual safety and assessment inspections

CE Marking documents:

- Factory production control (FPC) certificate (NB)
- Declaration of Performance (Manufacturer)
- CE marking and labeling (Manufacturer)

Applus+ has over 100 years of experience performing inspections of construction projects. We carry out thousands of tests and certificates for construction products.

** Applus+ is the commercial brand of LGAI Technological Center S.A., Notified Body nº 370.*

Benefits

- One single interlocutor for the completion of specification testing and the audit of factory production monitoring
- Improved control over your product and process, thus reducing costs due to low quality.
- Improved precision and homogeneity in the technical measurement values of your products clearly transmitted to your customers.
- Market your product throughout the European Union