

CE Marking of Masonry units and Ceramic products

Ensure masonry units conformity and access the entire European market



Masonry units and ceramic products are part or are essential components in building enclosure systems, that must provide the climate and comfort conditions required for their users to fulfill optimally their daily activities. They must meet technical requirements of thermic and acoustic insulation, air and water tightness, fire resistance and durability.

CE marking of masonry units and ceramic products is regulated Construction Products Regulation 305/2011 and by Attestation of Conformity system 2+ or 4 according to product use, either structural or not. For 2+ systems intervention of a notified body is mandatory. CE marking and labeling is the responsibility of the manufacturer, or its authorized representative in the EU. So it must ensure its compliance with essential Regulation requirements at all times.

Solution

Applus+ is a notified body * for CE marking of masonry units and ceramic products and works with manufacturers throughout the product CE marking process. The following harmonized rules are applicable to CE marking for masonry units and ceramic products:

EN 771-1:
2011 Specification for masonry units - Part 1: Clay masonry units

EN 771-2:
2011 Specification for masonry units - Part 2: Calcium silicate masonry units

EN 771-3:
2011 Specification for masonry units - Part 3: Aggregate concrete masonry units (Dense and lightweight aggregates)

- EN 771-4: Specification for masonry units - Part 4: Autoclaved aerated concrete
2011 masonry units
- EN 771-5: Specification for masonry units - Part 5: Manufactured stone masonry units
2011
- EN 771-6: Specification for masonry units - Part 6: Natural stone masonry units
2011
- EN 1344: Clay pavers - Requirements and test methods.
2002
- EN 14411: Ceramic tiles - Definitions, classification, characteristics and marking
2006
- EN 1304: Clay roofing tiles and fittings - Product definitions and specifications
2005

The most significant products included in the group of masonry units and ceramic products are:

- Slabs
- Ceramic pavers
- Exposed brick
- Partitions and walls
- Boards
- Roof tiles.

According to the assessment system 2+ the tasks applicable to each agent are:

Manufacturer's tasks:

- To perform Type-Testing (Applus+ could perform those tests in their laboratories)
- To implement of a Factory Production Control (FPC) at the company's facilities.
- To establish a follow-up testing program specifying types, frequencies, etc.

Notified Body's tasks:

- To perform the initial inspection of the Factory Production Control (FPC), assessment and acceptance.
- To perform annual monitoring and assessment inspections.

CE Marking documents:

- Declaration of Performance (Manufacturer).
- CE marking and labelling of the product (Manufacturer).
- Certificate of Conformity of the Factory Production Control (Notified Body).

Applus+ has worked in the building sector for over 100 years, completing certification procedures and thousands of tests on multiple products both for national and European companies.

** Applus+ is the commercial brand of LGAI Technological Center S.A., Notified Body n° 370.*

Benefits

- Applus+, one stop shop to perform characterization testing and Factory Production Control audits
- Greater control over your product and your process, as well as reducing non-quality costs
- Improved precision and homogeneity in the technical measurement