

Clay roofing tiles for discontinuous laying - Products definitions and specifications*

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EESTI STANDARDI EESSÕNA

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Võtmesõnad: appearance, buildings, conformity tests, definitions, dimensional tolerances, freeze-thaw resistance, geometric characteristics, marking, mechanical properties, physical properties, quality control, roofing, roofing tiles, specifications, terra cotta, tile roofing,

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Descriptors: buildings, roofing, tile roofing, roofing tiles, terra cotta, definitions, specifications, appearance, geometric characteristics, dimensional tolerances, physical properties, mechanical properties, freeze-thaw resistance, marking, quality control, conformity tests, sampling

English version

Clay roofing tiles for discontinuous laying - Products definitions and specifications

Tuiles de terre cuite pour pose en discontinu - Définitions et spécifications des produits

Tondachziegel für überlappende Verlegung - Definitionen und Spezifikationen der Produkte

This European Standard was approved by CEN on 1 July 1998.

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Contents	Page
Foreword	3
1 Scope	3
2 Normative references	3
3 Symbols and abbreviations	4
4 Definitions	4
4.1 clay roofing tiles	4
4.2 Specific definitions to tiles with sidelock and headlock and tiles with sidelock only	5
4.3 Specific definitions to over and under tiles	7
4.4 Further definitions	7
5 Specifications	11
5.1 Structural characteristics.....	11
5.2 Fixing	11
5.3 Geometric characteristics	11
5.4 Physical and mechanical characteristics	13
6 Marking	14
7 Evaluation of conformity	15
7.1 Type tests	15
7.2 Quality control.....	15
Annex A (normative) Type test and quality control	16
Annex B (informative) Appearance and structure	17

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 128 "Roof covering products for discontinuous laying and products for wall cladding", the secretariat of which is held by IBN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by January 1999, and conflicting national standards shall be withdrawn at the latest by January 1999.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This standard is part of a package of standards on clay roofing tiles.

This standard includes:

- a normative annex : Annex A : Type test and quality control
- an informative annex : Annex B : Appearance and structure

1 Scope

This European standard defines clay roofing tiles and determines the general specifications to which they are bound as well as the rules for classification, marking and quality control of products.

It applies to all tiles and fittings as defined in 4.1.

Clay roofing tiles and clay fittings which conform to this standard are suitable for use as vertical cladding.

The geometric and flexural strength criteria are not applicable to clay fittings or special tiles.

This standard defines the specifications which, if satisfactory at the time of delivery, ensure that the product is able to withstand the modifications that occur at materials in normal conditions of use whilst continuing to fulfil its proper functions.

Consequently, if the tests are carried out on tiles taken from a site after delivery, only the test results for the geometric and impermeability criteria can be used without further analysis.

Any other criteria can only be applied whilst taking into account the stresses to which the tiles have been subjected to as from their initial state, at which time they were held to satisfy the requirements of the standard.

NOTE : When tiles are used as vertical cladding, it is recommended that a suitable method of fixing be provided.

2 Normative references

This European Standard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references, the latest edition of the publication referred to applies.

EN 538	Clay roofing tiles for discontinuous laying - Flexural strength test
EN 539-1	Clay roofing tiles for discontinuous laying - Determination of physical characteristics - Part 1 : Impermeability test
EN 539-2	Clay roofing tiles for discontinuous laying - Determination of physical characteristics - Part 2 : Tests for frost resistance
EN 1024	Clay roofing tiles for discontinuous laying - Determination of geometric characteristics

3 Symbols and abbreviations

For the purpose of this standard, the following symbols and abbreviations apply :

- AQL : Acceptable Quality Level ;
- 1/Pa : Once per annum.

4 Definitions

For the purposes of this standard, the following definitions apply :

4.1 clay roofing tiles

Clay roofing tiles are roofing products for discontinuous laying on pitched roofs and are manufactured by shaping (extrusion and/or pressing), drying and firing of the prepared clay, with or without additives.

All or part of their surface can be covered with an engobe or glaze.

Besides the different types of tiles described below, there are also special tiles (for example handmade tiles) which have essentially an aesthetic function.

The principal types of tile are :

4.1.1 tiles with sidelock and headlock

Tiles with one or more longitudinal and transverse interlocking devices.

NOTE : They can be profiled or flat tiles.