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Methods of test for masonry units - Part 22: Determination of freeze/thaw resistance of clay masonry units

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

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EUROPEAN STANDARD

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English Version

Methods of test for masonry units - Part 22: Determination of freeze/thaw resistance of clay masonry units

Méthodes d'essai des éléments de maçonnerie - Partie 22: Détermination de la résistance au gel/dégel des éléments de maçonnerie en terre cuite

Prüfverfahren für Mauersteine - Teil 22: Bestimmung des Frost-Tau-Widerstandes von Mauerziegeln

This European Standard was approved by CEN on 26 October 2018.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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EN 772-22:2018 (E)

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European Foreword

This document (EN 772-22:2018) has been prepared by Technical Committee CEN/TC 125 “Masonry”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by June 2019, and conflicting national standards shall be withdrawn at the latest by June 2019.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes CEN/TS 772-22:2006.

The most significant changes compared to the previous edition include:

- definition for sand grading for mortar has been tightened;
- rubber joints between units are only permitted for product development and factory production control testing;
- a clause for partial saturation at 80 °C is added;
- only flush finish joints are permitted;
- monitoring of temperature is taken from 30 mm from the face not 40 mm;
- classification as F2 is given if not more than 10% of units exhibit damage of Type 4 or above, rather than no units of type 4 or above;
- classifications of F1(n) and F2(80°C) are added;
- a detailed description of a heat flow meter is provided.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 772-22:2018 (E)**1 Scope**

This document specifies a method for determining the freeze/thaw resistance of clay masonry units in one of two categories F1 or F2.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 771-1, *Specification for masonry units — Part 1: Clay masonry units*

EN 772-21, *Methods of test for masonry units — Part 21: Determination of water absorption of clay and calcium silicate masonry units by cold water absorption*

EN 197-1, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

EN 13139, *Aggregates for mortar*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN