

Müürimörtide katsemeetodid. Osa 6: Mördisegu näivtiheduse määramine

Methods of test for mortar for masonry - Part 6:
Determination of bulk density of fresh mortar

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1015-6:2005 sisaldab Euroopa standardi EN 1015-6:1998 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 18.06.2001 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

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Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 1015-6:2005 consists of the English text of the European standard EN 1015-6:1998.

This standard is ratified with the order of Estonian Centre for Standardisation dated 18.06.2001 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

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Aru 10 Tallinn 10317 Eesti; www.evs.ee; Telefon: 605 5050; E-post: info@evs.ee

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Descriptors: Building materials, mortar, masonry, bulk density, testing.

English version

Methods of test for mortar for masonry

Part 6: Determination of bulk density of fresh mortar

Méthodes d'essai des mortiers pour
maçonnerie – Partie 6: Détermination
de la masse volumique apparente du
mortier frais

Prüfverfahren für Mörtel für Mauer-
werk – Teil 6: Bestimmung der Roh-
dichte von Frischmörtel

This European Standard was approved by CEN on 1998-09-04.

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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

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Foreword

This European Standard 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of an identical text or by endorsement, at the latest by April 1999, and conflicting national standards shall be withdrawn at the latest by September 2000.

This European Standard has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association and includes the performance requirements referred to in the Eurocode for masonry Structures.

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.

1 Scope

This European Standard specifies a method for the determining the bulk density of fresh mortars including those containing mineral binders and both dense and lightweight aggregates.

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 other 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.

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|-------------|--|
| prEN 998-1 | Specification for mortar for masonry - Part 1: Rendering and plastering mortar with inorganic binding agents |
| prEN 998-2 | Specification for mortar for masonry - Part 2 : Masonry mortar |
| EN 1015-2 | Methods of test for mortar for masonry - Part 2 : Bulk sampling of mortars and preparation of test mortars |
| prEN 1015-3 | Methods of test for mortar for masonry - Part 3 : Determination of consistence of fresh mortar (by flow table) |

3 Principle

The bulk density of a fresh mortar is determined by the quotient of its mass and the volume which it occupies when it is introduced, or introduced and compacted in a prescribed manner into a measuring vessel of a given capacity.

4 Symbols

ρ_m is the bulk density of fresh mortar in, (kg/m³)

m_1 is the mass of the empty vessel, (g)

m_2 is the mass of the vessel filled with mortar, (g)

V_v is the volume of measuring vessel, (l)

5 Apparatus

5.1 A measuring vessel comprising a cylindrical bowl with an internal diameter of about 125 mm, made of metal resistant to corrosion by mortar and with sufficient dimensional stability. The capacity of the measuring vessel is approximately 1 l and determined with an accuracy of 0,1 %, and its mass m_1 determined with an accuracy of 1 g.

Note: It is advisable to use the same measuring vessel by which the air content of the fresh mortar is determined (see EN 1015-7).