

Müürimörtide katsemeetodid. Osa 21: Ühekihilise krohvimördi ja aluspinna ühilduvuse määramine

Methods of test for mortar for masonry - Part 21:
Determination of the compatibility of one-coat
rendering mortars with substrates

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 1015-21:2005 sisaldab Euroopa standardi EN 1015-21:2002 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 18.02.2003 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 1015-21:2005 consists of the English text of the European standard EN 1015-21:2002.</p> <p>This document is endorsed on 18.02.2003 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
--	---

<p>Käsitlusala:</p> <p>Käesolev Euroopa standard spetsifitseerib ühekihiliste (OC) krohvimörtide ja kindlaksmääratud aluspindade ühilduvuse määramise meetodi.</p>	<p>Scope:</p> <p>This European Standard specifies a test method for determining the compatibility of One-Coat (OC) rendering mortars with given substrates. The evaluation is based on the determination of the adhesion strength and water permeability of the hardened render applied on defined substrates, after exposure to weathering cycles</p>
---	---

ICS 91.100.10

Võtmesõnad: construction materia, determination, hardened mortars, humidity, masonry, material, measurements of humidity, moisture, mortar composition, mortars, stuffs, test specimens, testing, testing devices, water permeability, water vapour permeability, weathering

Hinnagrupp E

ICS 91.100.10

English version

**Methods of test for mortar for masonry - Part 21: Determination
of the compatibility of one-coat rendering mortars with
substrates**

Méthodes d'essai des mortiers pour maçonneries - Partie
21: Détermination de la compatibilité des mortiers d'enduit
extérieur mono-couches avec leur armature

Prüfverfahren für Mörtel für Mauerwerk - Teil 21:
Bestimmung der Verträglichkeit von Einlagenputzmörteln
mit Untergründen

This European Standard was approved by CEN on 6 July 2002.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Contents

	page
Foreword	3
1 Scope	4
2 Normative references	4
3 Principle	4
4 Apparatus	4
5 Sampling and sample preparation	6
6 Preparation and storage of test specimens	7
7 Procedure	8
8 Expression of the results	8
9 Test report	9

Foreword

This document (EN 1015-21:2002) 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 2003, and conflicting national standards shall be withdrawn at the latest by September 2004.

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, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies a test method for determining the compatibility of One-Coat (OC) rendering mortars with given substrates.

The evaluation is based on the determination of the adhesion strength and water permeability of the hardened render applied on defined substrates, after exposure to weathering cycles.

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 (including amendments).

EN 772-11, *Methods of test for masonry units — Part 11: Determination of water absorption of aggregate concrete, manufactured stone and natural stone masonry units due to capillary action and the initial rate of water absorption of clay masonry units.*

prEN 998-1, *Specification for mortar for masonry — Part 1: Rendering and plastering mortar.*

EN 1015-2, *Methods of test for mortar for masonry — Part 2: Bulk sampling of mortars and preparation of test mortars.*

EN 1015-3, *Methods of test for mortar for masonry — Part 3: Determination of consistence of fresh mortar — (by flow table).*

EN 1015-9, *Methods of test for mortar for masonry — Part 9: Determination of workable life and correction time of fresh mortar.*

EN 1015-12:2000, *Methods of test for mortar for masonry — Part 12: Determination of adhesive strength of hardened rendering and plastering mortars on substrates.*

3 Principle

One-coat rendering mortars are applied to substrates specified by the manufacturer. The hardened specimens are tested after conditioning consisting of thermal cycling and humidification/thermal cycling.

The specimens are subjected to two tests as follows:

- a) water permeability by the application of a specified head of water to the rendered surface;
- b) adhesive strength using the pull-off test of EN 1015-12.

4 Apparatus

4.1 Apparatus for determination of water permeability (see Figure 1)

4.1.1 Metal cone with a base diameter of 200 mm, and 100 mm high.