Methods of test for masonry - Part 4: Determination of shear strength including damp proof course

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EESTI STANDARDIKESKUS

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 1052-4:2000 sisaldab Euroopa standardi EN 1052-4:2000 ingliskeelset teksti. Käesolev dokument on jõustatud 13.10.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 1052-4:2000 consists of the English text of the European standard EN 1052-4:2000. This document is endorsed on 13.10.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This Standard specifies a method for determining the in plane initial shear strength of horizontal bed joints in masonry incorporating sheet damp proofcourse material using a specimen tested in double shear with load applied perpendicular to the bed joints. Guidance is given on the preparation of the specimens, the conditioning required before testing, the apparatus, the method of test, the method of calculation and the contents of the test report.	**Scope:** This Standard specifies a method for determining the in plane initial shear strength of horizontal bed joints in masonry incorporating sheet damp proofcourse material using a specimen tested in double shear with load applied perpendicular to the bed joints. Guidance is given on the preparation of the specimens, the conditioning required before testing, the apparatus, the method of test, the method of calculation and the contents of the test report.

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English version

Methods of test for masonry

Part 4: Determination of shear strength including a damp-proof course

Méthodes d'essai de la maçonnerie – Partie 4: Détermination de la résistance au cisaillement, en tenant compte de la couche de coupure de capillarité

Prüfverfahren für Mauerwerk – Teil 4: Bestimmung der Scherfestigkeit bei einer Feuchtesperrschicht

This European Standard was approved by CEN on 2000-04-22.

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CEN

European Committee for Standardization
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Europäisches Komitee für Normung

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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 November 2000, and conflicting national standards shall be withdrawn at the latest by November 2000.

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 determining the in plane shear strength of horizontal bed joints in masonry incorporating sheet damp proof course material using a specimen tested in double shear with load applied perpendicular to the bed joints.

Guidance is given on the preparation of the specimens, the conditioning required before testing, the testing machine, the method of test, the method of calculation and the contents of the test report.

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.

prEN 772-1	Methods of test for masonry units - Part 1 : Determination of compressive strength
EN 772-10	Methods of test for masonry units - Part 10 : Determination of moisture content of calcium silicate and autoclaved aerated concrete units
prEN 998-2	Specification for mortar for masonry - Part 2 : Masonry mortar
EN 1015-3	Methods of test for mortar for masonry - Part 3 : Determination of consistence of fresh mortars (by flow table)
EN 1015-7	Methods of test for mortar for masonry - Part 7 : Determination of air content of fresh mortar
EN 1015-11	Methods of test for mortar - Part 11 : Determination of flexural and compressive strength of hardened mortar

3 Principle

The shear strength of masonry incorporating sheet damp proof course material is derived from the strength of small masonry specimens tested to destruction. The specimens are tested in double shear under three-point load with precompression perpendicular to the bedjoints. The shear strength is defined by the initial shear strength and the coefficient of friction.