Müürikivide katsemeetodid. Osa 6: Betoonmüürikivide paindetõmbetugevuse määramine

Methods of test for masonry units - Part 6: Determination of bending tensile strength of aggregate concrete masonry units

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 772-6:2005 sisaldab Euroopa standardi EN 772-6:2001 ingliskeelset teksti.	This Estonian standard EVS-EN 772-6:2005 consists of the English text of the European standard EN 772-6:2001.
Standard on kinnitatud Eesti Standardikeskuse 14.03.2002 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 14.03.2002 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 19.09.2001.	Date of Availability of the European standard text 19.09.2001.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 91.100.30

Võtmesõnad: building stones, loading, masonry, masonry work, material, material testing machines, measurement, mortars, pore volume, specification, stone, strength of materials, test certificates, test equipment, test pieces, testing, testing conditions

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 772-6

September 2001

ICS 91.100.30

English version

Methods of test for masonry units

Part 6: Determination of bending tensile strength of aggregate concrete masonry units

Méthodes d'essai des éléments de maçonnerie – Partie 6: Détermination de la résistance à la traction par flexion des éléments de maçonnerie en béton de granulats

Prüfverfahren für Mauersteine – Teil 6: Bestimmung der Biegezugfestigkeit von Mauersteinen aus Beton

This European Standard was approved by CEN on 2001-08-18.

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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.

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CEN

European Committee for Standardization
Comité Européen de Normalisation
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Ref. No. EN 772-6 : 2001 E

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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 March 2002, and conflicting national standards shall be withdrawn at the latest by June 2003.

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 of determining the bending tensile strength of aggregate concrete masonry units having a width less than 100 mm and a ratio of length to width greater than 10, in accordance with prEN 771-3.

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).

prEN 771-3	*Specification for masonry units - Part 3: Aggregate concrete masonry units (dense and lightweight aggregates)*
EN 772-16	*Methods of test for masonry units - Part 16: Determination of dimensions*
EN 1015-11	*Methods of test for mortar for masonry - Part 11: Determination of flexural and compressive strength of hardened mortar*

3 Principle

The principle of this test is to measure the bending tensile strength of concrete units by a flexural test.

4 Symbols

R_{tf}	is the bending tensile strength of the specimen, in Newton per square millimetres ($N/mm^{2)}$
F	is the failure load, in Newton (N)
l	is the distance between supports, in millimetres (mm)
b	is the specimen width in millimetres (mm)
h	is the specimen height, in millimetres (mm)

5 Apparatus

5.1 Test machine of appropriate capacity, in accordance with EN 1015-11.

The bending device shall consist of two roller supports having the same diameter between 15 and 40 mm, on which the specimen rests, and two upper rollers of the same diameter, through which the load is applied. The distance between the two support rollers should be at least 4