Müüritistükkide teimimeetodid. Osa 4: Looduskivist müüritistükkide tegeliku ja näivtiheduse ning avatud ja kogupoorsuse määramine

Methods of test for masonry units - Part 4: Determination of real and bulk density and of total and open porosity for natural stone masonry units

EESTI STANDARDI EESSÕNA **NATIONAL FOREWORD**

Käesolev Eesti standard EVS-EN 772-4:2000 sisaldab Euroopa standardi EN 772-4:1998 ingliskeelset teksti. Käesolev dokument on jõustatud 11.01.2000 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 772-4:2000 consists of the English text of the European standard EN 772-4:1998. This document is endorsed on 11.01.2000 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: See Euroopa standard esitab meetodi looduskivist müüritistükkide tegeliku ja näivtiheduse ning avatud ja kogupoorsuse määramiseks.	**Scope:**

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Võtmesõnad: avatud poorsus, ehitamine, kogupoorsus, looduskivi, määramine, müüritistükid, näivtihedus (mahumass), tegelik tihedus, teimid

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Methods of test for masonry units

Part 4: Determination of real and bulk density and of total and open porosity for natural stone masonry units

Méthodes d'essai des éléments de maçonnerie – Partie 4: Détermination des masses volumiques réelle et apparente et des porosités ouverte et totale des éléments de maçonnerie en pierre naturelle

Prüfverfahren für Mauersteine – Teil 4: Bestimmung der Dichte und der Rohdichte sowie der Gesamtporosität und der offenen Porosität von Mauersteinen aus Naturstein

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CEN

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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of an identical text or by endorsement, at the latest by February 1999, and conflicting national standards shall be withdrawn at the latest by February 1999.

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 real density and the bulk density and the open and total porosity of natural stone masonry units.

2 Normative references

This European Standard incorporates by dated or undated reference, provision 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.

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3 Principle

After drying to constant mass and calculating the bulk and impermeable volume, the bulk and real density of the units are calculated.

4 Symbols

$m_{sat,s}$ is the mass of the saturated specimen, (g)

$m_{dry,s}$ is the mass of the dry specimen, (g)

$m_{w,s}$ is the apparent mass of the specimen immersed in water, (g)

V_b is the bulk volume, (mm^3)

V_p is the volume of open pores, (mm^3)

V_i is the impermeable volume, (mm^3)

$\rho_{r,s}$ is the real density of the specimen, (kg/m^3)