

**Betooni, mördi ja süstmördi lisandid.
Teimimismeetodid. Osa 5:
Kapillaarimavuse määramine**

Admixtures for concrete, mortar and grout - Test
methods - Part 5: Determination of capillary
absorption

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 480-5:2005 sisaldab Euroopa standardi EN 480-5:2005 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 25.11.2005 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 480-5:2005 consists of the English text of the European standard EN 480-5:2005.</p> <p>This document is endorsed on 25.11.2005 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>
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<p>Käsitlusala: This document describes a test method for the determination of the effect of admixtures on the capillary absorption of mortar.</p>	<p>Scope: This document describes a test method for the determination of the effect of admixtures on the capillary absorption of mortar.</p>
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ICS 91.100.10, 91.100.30

Võtmesõnad: betoon, betooni lisandid, ehitusmaterjalid, kapillaarsus, materjal, mördid, teimid, tsementeerimine, veeimavusteim

English Version

**Admixtures for concrete, mortar and grout - Test methods - Part
5: Determination of capillary absorption**

Adjuvants pour béton, mortier et coulis - Méthodes d'essai -
Partie 5: Détermination de l'absorption capillaire

Zusatzmittel für Beton, Mörtel und Einpressmörtel -
Prüfverfahren - Teil 5: Bestimmung der kapillaren
Wasseraufnahme

This European Standard was approved by CEN on 28 July 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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



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Foreword

This European Standard (EN 480-5:2005) has been prepared by Technical Committee CEN/TC 104 "Concrete and related products", the secretariat of which is held by DIN.

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 2006, and conflicting national standards shall be withdrawn at the latest by March 2006.

It has been drafted by Subcommittee 3 (SC 3) of TC 104 "Admixtures for concrete, mortar and grout".

This document is part of the series EN 480 "Admixtures for concrete, mortar and grout – Test methods" which comprises the following

Part 1 *Reference concrete and reference mortar for testing*

Part 2 *Determination of setting time*

Part 4 *Determination of bleeding of concrete*

Part 5 *Determination of capillary absorption*

Part 6 *Infrared analysis*

Part 8 *Determination of the conventional dry material content*

Part 10 *Determination of water soluble chloride content*

Part 11 *Determination of air void characteristics in hardened concrete*

Part 12 *Determination of the alkali content of admixtures*

Part 13 *Reference masonry mortar for testing mortar admixtures*

Part 14 *Admixtures for concrete, mortar and grout - Test methods - Part 14: Measurement of corrosion susceptibility of reinforcing steel in concrete - Potentiostatic electro-chemical test method ¹⁾*

This document is applicable together with the other standards of the EN 480 series.

This document will supersede EN 480-5:1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

A.1.1 _____

1) This part is under preparation

1 Scope

This document describes a test method for the determination of the effect of admixtures on the capillary absorption of mortar.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-1, *Methods of testing cement - Part 1: Determination of strength*.

EN 413-2, *Masonry cement - Part 2: Test methods*

EN 480-1, *Admixtures for concrete, mortar and grout - Test methods - Part 1: Reference concrete and reference mortar for testing*

3 Principle

The test consists of measuring the mass of water absorbed by a mortar test sample under specified conditions.

4 Apparatus

- 4.1 Balance with an accuracy of 0,1 g;
- 4.2 Receptacle 200 mm high large enough to contain twelve prismatic specimens with a flat base and a cover;
- 4.3 A means of allowing a constant level of water to be maintained in the receptacle;
- 4.4 Equipment for the preparation of (40 x 40 x 160) mm prisms made of mortar that conforms to EN 196-1;
- 4.5 An enclosure controlled at $(20 \pm 2) ^\circ\text{C}$ and $(65 \pm 5) \%$ relative humidity.

5 Reference mortar

The reference mortar shall be as specified in EN 480-1. The test mix shall either have the same consistence as the control mix as described in EN 480-1 or the test mix shall have the same water/cement ratio as the control mix²⁾. The water content of the admixture shall be taken into account when calculating the required water content of the test mix.

A.1.1 _____

2) The use of constant consistence or constant water/cement ratio is specified in the requirements or agreed between the purchaser and supplier.