

Grouts for tiles - Part 5: Determination of water absorption

Grouts for tiles - Part 5: Determination of water absorption

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12808-5:2002 sisaldab Euroopa standardi EN 12808-5:2001 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.06.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12808-5:2002 consists of the English text of the European standard EN 12808-5:2001.</p> <p>This document is endorsed on 19.06.2002 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>This European Standard applies to all ceramic tile grouts used for internal and external tile installations on walls and floors. This standard specifies the test method to be used to determine the water absorption coefficient due to capillary action when the grout surface contacts the water without any additional pressure. The coefficient is measured by means of prisms.</p>	<p>Scope:</p> <p>This European Standard applies to all ceramic tile grouts used for internal and external tile installations on walls and floors. This standard specifies the test method to be used to determine the water absorption coefficient due to capillary action when the grout surface contacts the water without any additional pressure. The coefficient is measured by means of prisms.</p>
--	--

ICS 91.100.10

Võtmesõnad: adhesives, ceramic tiles, ceramics, determination, joint mortars, material, mortars, reaction resin mortar, testing, tiles, water absorption

ICS 91.100.10

English version

Grouts for tiles - Part 5: Determination of water absorption

Mortiers de joints pour carrelages - Partie 5: Détermination
de l'absorption d'eau

Klebstoffe und Fugenmörtel für Fliesen und Platten - Teil 5:
Bestimmung der Wasseraufnahme

This European Standard was approved by CEN on 3 November 2001.

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, 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 Sampling	4
4 Test conditions	4
5 Test materials	4
6 Apparatus	4
7 Mixing of grouts	4
8 Preparation of test specimens	5
9 Conditioning	5
10 Test procedure	5
11 Evaluation and expression of results	5
12 Test report	6
Bibliography	7

Foreword

This European Standard has been prepared by Technical Committee CEN /TC 67 "Ceramic tiles", the secretariat of which is held by UNI.

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

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 applies to all ceramic tile grouts for internal and external tile installations on walls and floors.

This standard specifies the test method to be used to determine the water absorption coefficient due to capillary action when the grout surface contacts the water without any additional pressure. The coefficient is measured by means of prisms.

This European Standard does not contain performance requirements or recommendations for the design and installation of ceramic tiles.

NOTE Ceramic tile grouts can also be used for other types of tiles (natural and agglomerated stones, etc.), where these do not adversely affect the stones.

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 1066, *Adhesives – Sampling*.

EN 1067, *Adhesives - Examination and preparation of samples for testing*.

EN 196-1:1994, *Method of testing cement - Determination of strength*.

3 Sampling

Take a sample of at least 2 kg of the product to be tested in accordance with EN 1066 and EN 1067.

4 Test conditions

Standard conditions shall be $(23 \pm 2) ^\circ\text{C}$ and $(50 \pm 5) \% \text{ R.H.}$ and a circulation of air in the working area less than 0,2 m/s.

5 Test materials

Condition all test materials for at least 24 hours under standard conditions.

6 Apparatus

6.1 Three gang mould with ground surfaces, made of steel, used for the preparation of 40 mm x 40 mm x 160 mm prisms, in accordance with 4.5 of EN 196-1:1994.

6.2 Jolting apparatus or jolting table used for the compaction of 40 mm x 40 mm x 160 mm grout specimen, in accordance with 4.6 of EN 196-1:1994.

6.3 Tray with a flat base, large enough to contain three test specimens.

7 Mixing of grouts

The amount of water and/or liquid admix required for preparing the cementitious grout shall be as stated by the manufacturer in parts by weight, i.e. liquid to dry powder.