Grouts for tiles - Part 2: Determination of resistance to abrasion

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12808-2:2002 sisaldab Euroopa standardi EN 12808-2:2001 ingliskeelset teksti. Käesolev dokument on jõustatud 19.06.2002 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 12808-2:2002 consists of the English text of the European standard EN 12808-2:2001. This document is endorsed on 19.06.2002 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 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 abrasion resistance of ceramic tile grouts.	**Scope:** 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 abrasion resistance of ceramic tile grouts.

ICS 91.100.10

Võtmesõnad: abrasion resistance, adhesives, ceramic tiles, ceramics, determination, joint mortars, material, mortars, reaction resin mortar, testing, tiles

EUROPEAN STANDARD

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EUROPÄISCHE NORM

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English version

Grouts for tiles - Part 2: Determination of resistance to abrasion

Mortiers de joints pour carrelages - Partie 2: Détermination de la résistance à l'abrasion

Klebstoffe und Fugenmörtel für Fliesen und Platten - Teil 2: Bestimmung der Abriebbeständigkeit

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
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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 used for internal and external tile installations on walls and floors.

This standard specifies the test method to be used to determine the abrasion resistance of ceramic tile grouts.

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, *Methods of testing cement - Determination of strength.*

EN ISO 10545-6, *Ceramic tiles - Determination of resistance to deep abrasion for unglazed tiles (ISO 10545-6:1995).*

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 ± 2) °C and (50 ± 5) % 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 Abrasion apparatus consisting essentially of a rotating disk, a storage hopper, a test specimen support and a counterweight in accordance with EN ISO 10545-6 (see Figure 1).

6.2 Abrasive material white fused aluminium oxide of grain size 80 (see EN ISO 10545-6).

6.3 Measuring gauge capable of measuring to 0,1 mm (see EN ISO 10545-6).

6.4 Template a smooth, square, rigid, non-absorbent frame (e.g. in polyethylene or PTFE), with internal dimensions of (100 ± 1) mm x (100 ± 1) mm and thickness of (10 ± 1) mm.