

Adhesives for tiles - Determination of transverse deformation for cementitious adhesives and grouts

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 12002:2008 sisaldab Euroopa standardi EN 12002:2008 ingliskeelset teksti.</p> <p>Standard on kinnitatud Eesti Standardikeskuse 10.11.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 22.10.2008.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 12002:2008 consists of the English text of the European standard EN 12002:2008.</p> <p>This standard is ratified with the order of Estonian Centre for Standardisation dated 10.11.2008 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.</p> <p>Date of Availability of the European standard text 22.10.2008.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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English Version

Adhesives for tiles - Determination of transverse deformation for cementitious adhesives and grouts

Colles à carrelage - Détermination de la déformation transversale d'un mortier-colle ou d'un mortier de joint pour carrelages

Mörtel und Klebstoffe für Fliesen und Platten - Bestimmung der Verformung zementhaltiger Mörtel und Fugenmörtel

This European Standard was approved by CEN on 22 August 2008.

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 CEN 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 CEN Management Centre has the same status as the official versions.

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



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Foreword

This document (EN 12002 rev:2008) 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 April 2009, and conflicting national standards shall be withdrawn at the latest by April 2009.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 12002:2002.

This document is one of a series of European Standards for tests on tile adhesives including:

EN 1308, *Adhesives for tiles – Determination of slip*

EN 1323, *Adhesives for tiles – Concrete slabs for tests*

EN 1324, *Adhesives for tiles – Determination of shear adhesion strength of dispersion adhesives*

EN 1346, *Adhesives for tiles – Determination of open time*

EN 1347, *Adhesives for tiles – Determination of wetting capability*

EN 1348, *Adhesives for tiles – Determination of tensile adhesion strength for cementitious adhesives*

EN 12002, *Adhesives for tiles – Determination of transverse deformation for cementitious adhesives and grouts*

EN 12003, *Adhesives for tiles – Determination of shear adhesion strength of reaction resin adhesives*

EN 12004, *Adhesives for tiles – Requirements, evaluation of conformity, classification and designation*

EN 12808-1, *Grouts for tiles – Part 1: Determination of chemical resistance of reaction resin mortars*

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

1 Scope

This European Standard specifies the test method to be used to determine the transverse deformation of cementitious ceramic tile adhesives and grouts.

This European Standard is applicable to all cementitious ceramic tile adhesives and grouts for internal and external tile installations on floors and walls.

It is not applicable to non-cementitious adhesives and grouts, e.g. dispersion and reactive resin adhesives and grouts.

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

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

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 196-1:2005, *Methods of testing cement – Part 1: Determination of strength*

EN 459-2, *Building lime – Part 2: Test methods*

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

EN ISO 15605, *Adhesives – Sampling (ISO 15605:2000)*

3 Principle

The test described in this European Standard measures the transverse deformation of cementitious adhesives and grouts, when subjected to a 3-point bending load, performed on test specimens of the stated dimension. The specimens are prepared and conditioned in accordance with the specific conditions described.

NOTE Transverse deformation is used to evaluate the deformability of the adhesive, i.e. its capacity to be deformed by stresses between the tile and the fixing surface without damage to the installed surface.

4 Sampling

Take a sample of at least 2 kg of the adhesive or grout in accordance with EN ISO 15605 and EN 1067.

5 Test conditions

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