

## **Grouts for tiles - Part 1: Determination of chemical resistance of reaction resin mortars**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12808-1:2008 sisaldab Euroopa standardi EN 12808-1:2008 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 10.11.2008 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 22.10.2008.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 12808-1:2008 consists of the English text of the European standard EN 12808-1:2008.

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.

Date of Availability of the European standard text 22.10.2008.

The standard is available from Estonian standardisation organisation.

ICS 83.180, 91.100.10

Võtmesõnad:

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English Version

Grouts for tiles - Part 1: Determination of chemical resistance of  
reaction resin mortars

Mortiers de joints pour carrelage - Partie 1: Détermination  
de la résistance chimique des mortiers à base de résines  
réactives

Mörtel und Klebstoffe für Fliesen und Platten - Teil 1:  
Bestimmung der Chemikalienbeständigkeit von  
Reaktionsharzmörteln

This European Standard was approved by CEN on 29 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.

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## Foreword

This document (EN 12808-1:2008) 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.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

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 12808-1:1999.

This document is one of a series of European Standards for ceramic 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, *Adhesive 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*

EN 12808-2, *Grouts for tiles – Part 2: Determination of resistance to abrasion*

EN 12808-3, *Grouts for tiles – Part 3: Determination of flexural and compressive strength*

EN 12808-4, *Grouts for tiles – Part 4: Determination of shrinkage*

EN 12808-5, *Grouts for tiles – Part 5: Determination of water absorption*

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 chemical resistance of ceramic tile adhesives and grouts under anticipated service conditions.

This European Standard applies to reaction resin ceramic tile grouts and adhesives for internal and external ceramic tile installations on walls and floors.

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

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

**WARNING - This European Standard can involve hazardous materials and operations. Persons using this standard should be familiar with normal laboratory practice. This European Standard does not purport to address all the safety problems, if any, associated with its use. It is the responsibility of the user to establish appropriate safety and health practices and to ensure compliance with any European and national regulatory conditions.**

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

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

## 3 Sampling

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

## 4 Test conditions

Standard conditions shall be  $(23 \pm 2)$  °C and  $(50 \pm 5)$  % relative humidity and a speed of air in the testing area less than 0,2 m/s.

## 5 Test materials

Condition all test materials other than the adhesive to be tested for at least 24 h under standard conditions. The adhesive to be tested shall be within its shelf life, where this is specified.