Grouts for ceramic tiles - Part 2: Test methods



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 13888-2:2022 sisaldab Euroopa standardi EN 13888-2:2022 ingliskeelset teksti.

This Estonian standard EVS-EN 13888-2:2022 consists of the English text of the European standard EN 13888-2:2022.

Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.

This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.

Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 14.09.2022.

Date of Availability of the European standard is 14.09.2022.

Standard on kättesaadav Eesti Standardimis-ja Akrediteerimiskeskusest.

The standard is available from the Estonian Centre for Standardisation and Accreditation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile <u>standardiosakond@evs.ee</u>.

ICS 91.100.10

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EUROPEAN STANDARD NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 13888-2

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Supersedes EN 12808-1:2008, EN 12808-2:2008, EN 12808-3:2008, EN 12808-4:2009, EN 12808-5:2008

English Version

Grouts for ceramic tiles - Part 2: Test methods

Mortiers de jointoiement pour carreaux et dalles céramiques - Partie 2 : Méthodes d'essai

Fugenmörtel für keramische Fliesen und Platten - Teil 2: Prüfverfahren

This European Standard was approved by CEN on 8 August 2022.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

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



EUROPEAN COMMITTEE FOR STANDARDIZATION COMITÉ EUROPÉEN DE NORMALISATION EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

This document (EN 13888-2:2022) 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 March 2023, and conflicting national standards shall be withdrawn at the latest by March 2023.

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

This document supersedes EN 12808-1:2008, EN 12808-2:2008, EN 12808-3:2008, EN 12808-4:2009 and EN 12808-5:2008.

This document belongs to series EN 13888, *Grouts for ceramic tiles*, which consists of the following parts:

- Part 1: Requirements, classification, designation, marking and labelling;
- Part 2: Test methods.

Any feedback and questions on this document should be directed to the users' national standards body. A complete listing of these bodies can be found on the CEN website.

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

1 Scope

This document specifies the methods for determining characteristics for grouts used in internal and external installation of ceramic tiles.

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

The following test methods are described:

- Determination of flexural and compressive strength (9.1);
- Determination of water absorption (9.2);
- Determination of shrinkage (9.3);
- Determination of resistance to abrasion (9.4);
- Determination of chemical resistance (9.5).

Grouts for ceramic tiles can also be used for other kinds of tiles (natural and agglomerated stones, etc.), if they do not adversely affect the stones.

WARNING — This document can involve hazardous materials and operations. It is important that persons using this document are familiar with normal laboratory practice. This document 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 documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 196-1:2016, Methods of testing cement - Part 1: Determination of strength

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

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

EN ISO 15605, Adhesives - Sampling (ISO 15605)

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at https://www.iso.org/obp
- IEC Electropedia: available at https://www.electropedia.org/

4 Sampling

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