



SLOVENSKI STANDARD

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Adheziv za ploščice - Določitev širinske adhezijske trdnosti reakcijskih adhezivov

Adhesive for tiles - Determination of shear adhesion strength of reaction resin adhesives

Mörtel und Klebstoffe für Fliesen und Platten - Bestimmung der Scherfestigkeiten von Reaktionsharz-Klebstoffen

Colles à carrelage - Détermination de l'adhérence par cisaillement des colles réactives

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English Version

Adhesive for tiles - Determination of shear adhesion strength of reaction resin adhesives

Mörtel und Klebstoffe für Fliesen und Platten - Bestimmung
der Scherfestigkeiten von Reaktionsharz-Klebstoffen

This draft European Standard is submitted to CEN members for unique acceptance procedure. It has been drawn up by the Technical Committee CEN/TC 67.

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Foreword

This document (prEN 12003:2008) has been prepared by Technical Committee CEN/TC 67 “Ceramic tiles”, the secretariat of which is held by UNI.

This document is currently submitted to the Unique Acceptance Procedure.

This document will supersede EN 12003:1997.

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, *Adhesives and grouts for tiles – Part 1: Determination of chemical resistance of reaction resin mortars*

1 Scope

This European Standard specifies the test method to be used to determine the shear adhesion strength of reaction resin ceramic tile adhesives.

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

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 the stones.

This European Standard can involve hazardous materials and operations. Persons using this European 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 14411:2006, *Ceramic tiles – Definitions, classification, characteristics and marking*

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

3 Sampling

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

4 Test conditions

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

5 Test materials

5.1 General

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