

## **Plaadiliimid. Betoonlamik teimimiseks**

Adhesives for tiles - Concrete slab for test

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

|                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                         |
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| <p>Käesolev Eesti standard EVS-EN 1323:2007 sisaldab Euroopa standardi EN 1323:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 30.10.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p> | <p>This Estonian standard EVS-EN 1323:2007 consists of the English text of the European standard EN 1323:2007.</p> <p>This document is endorsed on 30.10.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p> |
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| <p><b>Käsitlusala:</b><br/>See Euroopa standard määrab kindlaks substraadi (betoonlamik), mida kasutatakse plaadiliimide omaduste määramiseks. See Euroopa standard ei sisalda käituse nõudeid ega soovitusi kahlite projekteerimiseks ja paigaldamiseks. MÄRKUS: Kahliliime võib kasutada ka teist tüüpi plaatide korral (loodus- ja aglomeraatkivid jne).</p> | <p><b>Scope:</b><br/>This European Standard specifies the substrate (concrete slab) to be used for the determination of the properties of adhesives for tiles. This European Standard does not contain performance requirements or recommendations for the design and installation of ceramic tiles.</p> |
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ICS 83.180, 91.100.10, 91.100.30

**Võtmesõnad:** betoon, ettevalmistus, liim, plaadid, põrandakatted, spetsifikatsioonid, toed, valmistamine, veeimavustestid

## English Version

## Adhesives for tiles - Concrete slabs for tests

Colles à carrelage - Plaques de béton pour essais

Mörtel und Klebstoffe für Fliesen und Platten - Betonplatten  
für Prüfungen

This European Standard was approved by CEN on 21 January 2007.

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 1323:2007) 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 February 2008, and conflicting national standards shall be withdrawn at the latest by February 2008.

This document supersedes EN 1323:1996.

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 United Kingdom.

## 1 Scope

This European Standard specifies the substrate (concrete slab) to be used for the determination of the properties of adhesives for tiles.

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 types of tiles (natural and agglomerated stones etc), if they do not adversely affect the stones.

## 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 197-1, *Cement — Part 1: Composition, specifications and conformity criteria for common cements*

## 3 Test conditions

The standard conditions shall be  $(23 \pm 2) ^\circ\text{C}$  and  $(50 \pm 5) \%$  relative humidity and the air speed in the working area less than 0,2 m/s.

## 4 Apparatus

### 4.1 Pull-head plates

Square metallic (e.g. steel, aluminium) plates, with dimensions of  $(50 \pm 1) \text{ mm} \times (50 \pm 1) \text{ mm}$  and a minimum thickness of 10 mm with a suitable fitting for connection to the tensile testing machine.

### 4.2 Tensile testing machine

A tensile testing machine for direct pull tensile force test and with suitable capacity and sensitivity for the test. The machine shall be capable of applying the load to the pull-head plate at the rate of  $(250 \pm 50) \text{ N/s}$ , through a suitable fitting that does not exert any bending force.

### 4.3 Carsten-Röhrchen flask

Carsten-Röhrchen flask or other suitable apparatus for measuring the water absorption at the surface of the concrete slab (see Figure 1).

## 5 Concrete slab

### 5.1 Specification

The concrete slab shall be at least 35 mm thick, have a moisture content of less than 3 % by mass (carbide method) and have a water absorption at the surface after 4 h in the range of  $0,5 \text{ cm}^3$  to  $1,5 \text{ cm}^3$  measured by the method described in 5.4.