Products and systems for the protection and repair of concrete structures - Test methods - Test to measure the suitability of structural bonding agents for application to concrete surface

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1799:2001 sisaldab Euroopa standardi EN 1799:1998 ingliskeelset teksti. Käesolev dokument on jõustatud 18.06.2001 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes. Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-EN 1799:2001 consists of the English text of the European standard EN 1799:1998. This document is endorsed on 18.06.2001 with the notification being published in the official publication of the Estonian national standardisation organisation. The standard is available from Estonian standardisation organisation.

Käsitlusala: This Standard specifies methods of testing to measure the suitability of structural bonding agents for application to vertical and horizontal surfaces.	**Scope:** This Standard specifies methods of testing to measure the suitability of structural bonding agents for application to vertical and horizontal surfaces.

ICS 83.180, 91.080.40

Võtmesõnad: areas, concrete structures, determination, glue, laboratory tests, operating requirements, protection, repairs, tests

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 1799

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ICS 83.180; 91.080.40

Descriptors: Concrete structures, repair, bonding agents, testing.

English version

Products and systems for the protection and repair of concrete structures – Test methods

Tests to measure the suitability of structural bonding agents for application to concrete surfaces

Produits et systèmes pour la protection et la réparation des structures en béton – Méthodes d'essais – Essais de détermination de l'aptitude à l'emploi des colles structurales à appliquer sur les surfaces en béton

Produkte und Systeme für den Schutz und die Instandsetzung von Betontragwerken – Prüfverfahren – Prüfungen der Eignung von Klebern für die Anwendung auf Betonoberflächen

This European Standard was approved by CEN on 1998-11-29.

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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, the Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, and the United Kingdom.

CEN

European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart 36, B-1050 Brussels

Ref. No. EN 1799 : 1998 E

Contents

Foreword

This European Standard has been prepared by Technical Committee CEN/TC 104 "Concrete (performance, production, placing and compliance criteria)", the secretariat of which is held by DIN.

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 June 1999, and conflicting national standards shall be withdrawn at the latest by June 1999.

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

NOTE : This European Standard should be read together with EN 1504-1.

1 Scope

This Standard specifies methods of testing to measure the suitability of structural bonding agents for application to vertical and horizontal surfaces.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the lastest edition of the publication referred to applies.

EN 1504-1	Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - Part 1 : Definitions
prEN 12189	Products and systems for the protection and repair of concrete structures - Test methods - Determination of open time

3 Test methods

This standard describes a method for the determination of the suitability of structural bonding agents applied using a spreader to a vertical or horizontal surface, referred to as the sag flow test.

This standard also describes a method for the determination of the suitability of injectable structural bonding agents for application between two surfaces, referred to as the squeezability test.

4 Equipment

4.1 Sag flow test

4.1.1 Sag flow board in steel as depicted in figure 1.

4.1.2 Temperature-controlled conditioning cabinet adjustable to within 1 °C.

4.1.3 Thermometer measuring in degrees Celsius with 0,1 °C divisions.

4.1.4 Straightedge.

4.1.5 Timer.

4.1.6 Mould release agent.