Betoonisegu katsetamine. Osa 5: Valguvuskatse

Testing fresh concrete - Part 5: Flow table test

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 12350-5:2009 sisaldab Euroopa standardi EN 12350-5:2009 ingliskeelset teksti.	This Estonian standard EVS-EN 12350-5:2009 consists of the English text of the European standard EN 12350-5:2009.
Standard on kinnitatud Eesti Standardikeskuse 30.04.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 30.04.2009 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 18.03.2009.	Date of Availability of the European standard text 18.03.2009.
Standard on kättesaadav Eesti standardiorganisatsioonist.	The standard is available from Estonian standardisation organisation.

ICS 91.100.30

Võtmesõnad: betoon, betoonisegu, katsetamine, valguvuskatse

EUROPEAN STANDARD

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English Version

Testing fresh concrete - Part 5: Flow table test

Essais pour béton frais - Partie 5: Essai d'étalement à la table à chocs

Prüfung von Frischbeton - Teil 5: Ausbreitmaß

This European Standard was approved by CEN on 20 January 2009.

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

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Foreword

This document (EN 12350-5:2009) has been prepared by Technical Committee CEN/TC 104 “Concrete and related products”, 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of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

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 12350-5:1999.

This standard is one of a series concerned with testing concrete.

This series EN 12350 includes the following parts.

Part 1: Sampling;

Part 2: Slump-test;

Part 3: Vebe test;

Part 4: Degree of compactability;

Part 5: Flow table test;

Part 6: Density;

Part 7: Air content - Pressure methods;

Part 8: Self-compacting concrete - Slump-flow test (in preparation);

Part 9: Self-compacting concrete - V-funnel test (in preparation);

Part 10: Self-compacting concrete - L-box test (in preparation);

Part 11: Self-compacting concrete - Sieve segregation test (in preparation);

Part 12: Self-compacting concrete - J-ring test (in preparation).

CAUTION — When cement is mixed with water, alkali is released. Take precautions to avoid dry cement entering the eyes, mouth and nose whilst mixing concrete. Prevent skin contact with wet cement or concrete by wearing suitable protective clothing. If cement or concrete enters the eye, immediately wash it out thoroughly with clean water and seek medical treatment without delay. Wash wet concrete off the skin immediately.

The following amendments have been made to the 1999-10 edition of this standard:

— editorial revision

— indication that the test is not applicable for self-compacting concrete

— clarification of carrying out the test and the time for each cycle of lifting and dropping the mould to be between 1 s and 3 s (was not less than 2 s nor more than 5 s).

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 a method for determining the flow of fresh concrete. It is not applicable to self-compacting concrete, foamed concrete or no-fines concrete, nor to concrete with maximum aggregate size exceeding 63 mm.

NOTE The flow test is sensitive to changes in the consistency of concrete, which correspond to flow values between 340 mm and 600 mm. Beyond these extremes the flow table test may be unsuitable and other methods of determining the consistence should be considered.

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 12350-1, *Testing fresh concrete — Part 1: Sampling*