Täitematerjalide soojuslike omaduste ja ilmastikukindluse katsetamine. Osa 2: Magneesiumsulfaadi katse

Tests for thermal and weathering properties of aggregates - Part 2: Magnesium sulfate test

EESTI STANDARDIKESKUS
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NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 1367-2:2009 sisaldab Euroopa standardi EN 1367-2:2009 ingliskeelset teksti.	This Estonian standard EVS-EN 1367-2:2009 consists of the English text of the European standard EN 1367-2:2009.
Standard on kinnitatud Eesti Standardikeskuse 31.12.2009 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	This standard is ratified with the order of Estonian Centre for Standardisation dated 31.12.2009 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 28.10.2009.	Date of Availability of the European standard text 28.10.2009.
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Tests for thermal and weathering properties of aggregates - Part 2: Magnesium sulfate test

Essais pour déterminer les propriétés thermiques et l'altérabilité des granulats - Partie 2 : Essai au sulfate de magnésium

Prüfverfahren für thermische Eigenschaften und Verwitterungsbeständigkeit von Gesteinskörnungen - Teil 2: Magnesiumsulfat-Verfahren

This European Standard was approved by CEN on 19 September 2009.

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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 1367-2:2009) has been prepared by Technical Committee CEN/TC 154 “Aggregates”, the secretariat of which is held by BSI.

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of an identical text or by endorsement, at the latest by April 2010, and conflicting national standards shall be withdrawn at the latest by April 2010.

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 1367-2:1998.

This European Standard is part of the EN 1367 series of European Standards under the general title: "Tests for thermal and weathering properties of aggregates". The other parts are:

Part 1: Determination of resistance to freezing and thawing;

Part 2: Magnesium sulfate test;

Part 3: Boiling test for “Sonnenbrand basalt";

Part 4: Determination of drying shrinkage;

Part 5: Determination of resistance to thermal shock;

Part 6: Determination of resistance to freezing and thawing in the presence of salt (NaCl).

Test methods for other properties of aggregates will be covered by Parts of the following European Standards:

EN 932 Tests for general properties of aggregates;

EN 933 Tests for geometrical properties of aggregates;

EN 1097 Tests for mechanical and physical properties of aggregates;

EN 1744 Tests for chemical properties of aggregates;

EN 13179 Tests for filler aggregate used in bituminous mixtures.

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 describes the reference method used for type testing and in cases of dispute for assessing how an aggregate behaves when subjected to the cyclic action of immersion in magnesium sulfate, followed by oven drying. For other purposes, in particular factory production control, other methods may be used provided that an appropriate working relationship with the reference method has been established.

NOTE The majority of aggregates can be tested for performance using this method. Precision has been established for the rock types listed in Annex A. The test may not be suitable for all rock types and reservations have been expressed elsewhere in respect of some carbonate aggregates and some aggregates having a high proportion of magnesium bearing materials or of cryptocrystalline quartz.

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 932-1, *Tests for general properties of aggregates – Part 1: Methods for sampling*

EN 932-2, *Tests for general properties of aggregates – Part 2: Methods for reducing laboratory samples*

EN 932-3, *Tests for general properties of aggregates – Part 3: Procedure and terminology for simplified petrographic description*

EN 932-5, *Tests for general properties of aggregates – Part 5: Common equipment and calibration*

EN 933-2, *Tests for geometrical properties of aggregates – Part 2: Determination of particle size distribution – Test sieves, nominal size of apertures*

ISO 649-1, *Laboratory glassware – Density hydrometers for general purposes – Part 1: Specification*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
laboratory sample
sample intended for laboratory testing

3.2
test specimen
sample used in a single determination when a test method requires more than one determination of a property