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**BS EN 197-2:2014**



**BSI Standards Publication**

# **Cement**

Part 2: Conformity evaluation

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This British Standard is the UK implementation of EN 197-2:2014. It supersedes BS EN 197-2:2000 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee B/516, Cement and lime.

A list of organizations represented on this committee can be obtained on request to its secretary.

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© The British Standards Institution 2014. Published by BSI Standards Limited 2014

ISBN 978 0 580 77018 0

ICS 91.100.10

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2014.

#### **Amendments issued since publication**

Date	Text affected
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## EUROPÄISCHE NORM

January 2014

ICS 91.100.10

Supersedes EN 197-2:2000

English Version

## Cement - Part 2: Conformity evaluation

Ciment - Partie 2: Evaluation de la conformité

Zement - Teil 2: Konformitätsbewertung

This European Standard was approved by CEN on 9 November 2013.

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

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## Foreword

This document (EN 197-2:2014) has been prepared by Technical Committee CEN/TC 51 "Cement and building limes", the secretariat of which is held by NBN.

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of an identical text or by endorsement, at the latest by July 2014, and conflicting national standards shall be withdrawn at the latest by July 2014.

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 197-2:2000.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association.

Compared to the version EN 197-2:2000, the following major changes have been made in this document:

- use of the terminology given by the Construction Products Regulation (Regulation (EU) No 305/2011) and comparison with the earlier terminology according to the Construction Products Directive (Directive 89/106/EEC) (Annex C);
- link between this European Standard and Annexes ZA of European Standards covering cements;
- guidance concerning the uncertainty of measurements in the evaluation of test results;
- numerical criteria for the evaluation procedure for calcium aluminate cement conforming to EN 14647, (Annex A);
- figure describing the procedure for certification of constancy of performance of cement in a new factory or of a new type of cement in an existing factory (Annex B).

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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## 1 Scope

This European Standard specifies the scheme for the assessment and verification of constancy of performance (AVCP) of cements to their corresponding product specification standards, including certification of constancy of performance by a product certification body.

The standard provides technical rules for factory production control by the manufacturer, including autocontrol testing of samples, and for the tasks of the product certification body. It also provides rules for actions to be followed in the event of non-conformity, the procedure for the AVCP and requirements for dispatching centres.

In this European Standard, the word "cement" is used to refer both to common cements as defined in EN 197-1 and to other cements and binders for which the relevant product specification standard makes reference to this European Standard and which are submitted for certification. Such a cement is produced at a given factory and belongs to a particular type and a particular strength class, as defined and specified in the relevant product specification standard.

The guidelines given in the Technical Report CEN/TR 14245 [1]<sup>1)</sup> should be used for the application of this European Standard.

This European Standard should be linked with Annexes ZA of European Standards covering cements and binders, i.e. EN 197-1, EN 14216, EN 14647, EN 413-1, EN 15743, in particular for the assignments of tasks to the manufacturer and to the product certification body.

**NOTE** The reason for having drafted this separate document is that the provisions it includes are applicable to different products covered by different European Standards.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-7, *Methods of testing cement - Part 7: Methods of taking and preparing samples of cement*

EN 413-1, *Masonry cement - Part 1: Composition, specifications and conformity criteria*

EN 14647, *Calcium aluminate cement - Composition, specifications and conformity criteria*

ISO 2854, *Statistical interpretation of data - Techniques of estimation and tests relating to means and variances*

## 3 Terms and definitions

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

### 3.1

#### **AVCP**

abbreviation for assessment and verification of constancy of performance

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1) CEN/TR 14245 is currently in preparation and will revise CR 14245:2001.