

Silica fume for concrete —

Part 2: Conformity evaluation

ICS 91.100.30

National foreword

This British Standard is the UK implementation of EN 13263-2:2005+A1:2009. It supersedes BS EN 13263-2:2005 which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CEN text carry the number of the CEN amendment. For example, text altered by CEN amendment A1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted by Technical Committee B/517, Concrete, to its Subcommittee B/517/4, Additions for concrete.

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

EN 13263-2:2005 is a candidate “harmonized” European Standard and fully takes into account the requirements of the European Commission mandate M/128, *Products related to concrete, mortar and grout*, given under the EU Construction Products Directive (89/106/EEC), and is intended to lead to CE marking. The date of applicability of EN 13263-2:2005 as a “harmonized” European Standard, i.e. the date after which this standard may be used for CE marking purposes, is subject to an announcement in the *Official Journal of the European Communities*.

EN 13263-2:2005 is the subject of transitional arrangements agreed under the European Commission mandate. The Member States have agreed a nominal transition period for the co-existence of EN 13263-2:2005 and their corresponding national standard(s). It is intended that this period will comprise a nominal nine month period during which any required changes to national regulations are to be made, followed by a further nominal twelve month period for the implementation of CE marking. At the end of this coexistence period, the national standard(s) will be withdrawn. In the UK, there is no corresponding national standard.

This British Standard describes a scheme for the evaluation of conformity of silica fume as an addition in concrete, including certification of conformity. In doing so, it complements BS EN 13263-1:2005, *Silica fume for concrete — Part 1: Definitions, requirements and conformity*, which, when implemented in the UK, will make appropriate reference to this British Standard.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 15 February 2006

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Amendments/corrigenda issued since publication

Date	Comments
31 January 2010	Implementation of CEN amendment A1:2009

This British Standard acts as a supporting standard, by describing the tasks required for demonstrating legal attestation of conformity to EN 13263, which is mandated by the European Commission to be specified under a system of attestation of 1+, and which also makes appropriate reference to this British Standard. Attestation of conformity is a legal means for demonstrating that a product meets the requirements of a harmonized European technical specification, as defined in the Construction Products Directive (89/106/EEC). In the case of a system 1+, it is supported by an EC certificate of conformity, issued by an EU notified body, enabling the manufacturer to issue an EC declaration of conformity and to affix the CE mark.

The CE marking indicates a presumption of conformity with the minimum legal health, safety and environmental requirements in the EU members states; it is not a quality mark.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

English Version

Silica fume for concrete - Part 2: Conformity evaluation

Fumée de silice pour béton - Partie 2: Evaluation de la
conformité

Silikastaub für Beton - Teil 2: Konformitätsbewertung

This European Standard was approved by CEN on 19 May 2005 and includes Amendment 1 approved by CEN on 8 February 2009.

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.

CEN members are the national standards bodies of 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.



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Foreword

This document (EN 13263-2:2005+A1:2009) 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.

This document includes Amendment 1, approved by CEN on 2009-02-08.

This document supersedes EN 13263-2:2005.

The start and finish of text introduced or altered by amendment is indicated in the text by tags A1 A1.

EN 13263 has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive(s), see informative Annex ZA, which is an integral part of Part 1 of EN 13263.

A1 EN 13263-2:2005+A1:2009 contains a deletion of the second paragraph of 4.2.2.2. A1

EN 13263 consists of the following parts, under the general title *Silica fume for concrete*:

- Part 1: Definitions, requirements and conformity criteria;
- Part 2: Conformity evaluation.

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 part of EN 13263 specifies the scheme for the evaluation of conformity of silica fume to EN 13263-1, including certification of conformity by a certification body.

This European Standard provides technical rules for production control by the manufacturer, including autocontrol testing of samples, and for the tasks of the certification body. It also provides rules for actions to be followed in the event of non-conformity and the procedure for the certification of conformity.

2 Normative references

The following referenced documents are indispensable for the application of this European Standard. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 196-1, *Methods of testing cement — Part 1: Determination of strength*

EN 196-2, *Methods of testing cement — Part 2: Chemical analysis of cement*

EN 196-7:2007 ^{A1}, *Methods of testing cement — Part 7: Methods of taking and preparing samples of cement*

EN 206-1, *Concrete — Part 1: Specification, performance, production and conformity*

EN 13263-1:2005, *Silica fume for concrete — Part 1: Definitions, requirements and conformity criteria*

3 Terms and definitions

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

3.1 activity index

measurement of the effect of silica fume on the compressive strength of mortar

3.2 allowable probability of acceptance CR

for a given sampling plan, the allowed probability of acceptance of silica fume with a characteristic value outside the specified characteristic value

3.3 autocontrol

continuous statistical quality control of the silica fume based on the testing of samples taken by the manufacturer at point(s) of release from the silica fume production plant

3.4 autocontrol testing

continual testing by the manufacturer of silica fume spot samples taken at the point(s) of release from the production plant

3.5 certificate of conformity to EN 13263-1

document issued under the rules of a certain scheme for the evaluation of conformity indicating that adequate confidence is provided that a silica fume is in conformity with EN 13263-1