

BS 7979:2016



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Specification for limestone fines for use with Portland cement

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Summary of pages

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Foreword

Publishing information

This British Standard is published by BSI Standards Limited, under licence from The British Standards Institution, and came into effect on 31 January 2016. It was prepared by Subcommittee B/516/6, *Cement specifications*, under the authority of Technical Committee B/516, *Cement and lime*. A list of organizations represented on these committees can be obtained on request to its secretary.

Supersession

This British Standard supersedes BS 7979:2001, which is withdrawn.

Information about this document

This new edition of BS 7979 incorporates technical changes only. It does not represent a full review or revision of the standard, which will be undertaken in due course.

Presentational conventions

The provisions of this standard are presented in roman (i.e. upright) type. Its requirements are expressed in sentences in which the principal auxiliary verb is "shall".

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Requirements in this standard are drafted in accordance with *Rules for the structure and drafting of UK standards*, subclause J.1.1, which states, "Requirements should be expressed using wording such as: 'When tested as described in Annex A, the product shall ...'". This means that only those products that are capable of passing the specified test will be deemed to conform to this standard.

Contractual and legal considerations

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.

1 Scope

This British Standard specifies requirements for the production, chemical composition and mechanical and physical properties of limestone fines for use in combination with CEM I Portland cement strength class 42.5 or higher conforming to BS EN 197-1 as a component of concrete, mortar or grout. It also specifies requirements for marking, provision of information, sampling and testing for acceptance at delivery, and conformity criteria for the manufacturer's autocontrol system.

Guidance on the use of limestone fines is given in Annex A.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this British Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. For undated references, the latest edition of the publication referred to applies.

BS 6100-9, *Building and civil engineering – Vocabulary – Part 9: Work with concrete and plaster*

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

BS EN 196-2:2013, *Methods of testing cement – Part 2: Chemical analysis of cement*

BS EN 196-3:1995, *Methods of testing cement – Part 3: Determination of setting time and soundness*

BS EN 196-7:2007, *Methods of testing cement – Part 7: Methods of taking and preparing samples of cement*

BS EN 197-1, *Cement – Part 1: Composition, specifications and conformity criteria for common cements*

BS EN 451-2, *Method of testing fly ash – Part 2: Determination of fineness by wet sieving*

BS EN 933-9, *Tests for geometrical properties of aggregates – Part 9: Assessment of fines – Methylene blue test*

BS EN 933-10, *Tests for geometrical properties of aggregates – Part 10: Assessment of fines – Grading of filler aggregates (air jet sieving)*

BS EN 1744-1, *Tests for chemical properties of aggregates – Part 1: Chemical analysis*

BS EN 13639, *Determination of total organic carbon in limestone*

3 Terms and definitions

For the purposes of this British Standard, the terms and definitions given in BS 6100-9 and the following apply.

3.1 additive

constituent, other than those specified in 4.2, which is added to facilitate the production of limestone fines

3.2 characteristic value

value of a required property outside which lies a specified percentage, P_k , of all the values of the population