

Testing aggregates — Method for the assessment of alkali-silica reactivity — Potential accelerated mortar-bar method

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Committees responsible for this Draft for Development

The preparation of this Draft for Development was entrusted by Technical Committee B/502, Aggregates, to Subcommittee B/502/6, Test methods, upon which the following bodies were represented:

- British Civil Engineering Test Equipment Manufacturers Association
- British Geological Survey
- County Surveyors' Society
- Department of the Environment, Transport and the Regions — Represented by the Building Research Establishment
- Department of the Environment, Transport and the Regions — Highways Agency
- Quarry Products Association
- UK Steel Association
- United Kingdom Accreditation Service

This Draft for Development, having been prepared under the direction of the Sector Committee for Building and Civil Engineering, was published under the authority of the Standards Committee and comes into effect on 15 June 1999

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Amendments issued since publication

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The following BSI references relate to the work on this standard:
Committee reference B/502/6

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Foreword

This Draft for Development has been prepared by Subcommittee B/502/6. It describes an accelerated method for the assessment of the alkali- reactivity potential of siliceous aggregates.

This test is a development of a similar procedure established first by the NBRI in South Africa (Oberholster and Davies 1986) [1], later published as a proposed method by the ASTM in the USA (ASTM P214) and now available as ASTM C1260- 94 [2]. A similar method is also being developed by RILEM Technical Committee TC-106 (Nixon P J, Sims I) [3].

Annexes A and B are informative and annex C is normative.

This document does not purport to include all necessary provisions of a contract. Users are responsible for their correct application.

This publication is not to be regarded as a British Standard.

It is being issued in the Draft for Development series of publications and is of a provisional nature because no guidance on the interpretation of results of this method can be given until a relationship between the results of laboratory tests and expansion in structural concrete of normal mix proportions in normal exposure conditions is established. Research is underway to establish such a relationship. At present therefore, the method should not be quoted in any specification for aggregate. It should be applied on this provisional basis, so that information and experience of its practical application may be obtained.

A review of this Draft for Development will be carried out not later than 2 years after its publication. Notification of the start of the review period, with a request for the submission of comments from users of this Draft for Development, will be made in an announcement in the appropriate issue of *Update Standards*.

According to the replies received, the responsible BSI Committee will judge whether the Draft for Development can be converted into a British Standard or what other action should be taken.

Observations which it is felt should receive attention before the official call for comments will be welcomed.

NOTE It would be of particular assistance if any data which relates this method of test with the test specified in BS 812-123, including information on the aggregate composition, are included in observations.

These observations should be sent to the Secretary of BSI Technical Committee B/502 at BSI, 389 Chiswick High Road, London W4 4AL, giving the document reference and clause number and proposing, where possible, an appropriate revision of the text.

Summary of pages

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