

Testing aggregates —

Part 109: Methods for determination of moisture content

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Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Cement, Gypsum, Aggregates and Quarry Products Standards Policy Committee (CAB/-) to Technical Committee CAB/2, upon which the following bodies were represented:

- Aggregate Concrete Block Association
- Association of Consulting Engineers
- Association of Consulting Scientists
- Association of Lightweight Aggregate Manufacturers
- Brick Development Association
- British Aggregate Construction Materials Industries
- British Cement Association
- British Ceramic Research Ltd.
- British Civil Engineering Test Equipment Manufacturers' Association
- British Geological Sciences
- British Precast Concrete Federation Ltd.
- British Ready Mixed Concrete Association
- British Steel Industry
- Building Employers Confederation
- Calcium Silicate Brick Association Limited
- Chartered Institute of Building
- Concrete Society
- County Surveyors' Society
- Department of the Environment (Building Research Establishment)
- Department of the Environment (Property Services Agency)
- Department of Transport
- Department of Transport (Transport and Road Research Laboratory)
- Electricity Supply Industry in England and Wales
- Federation of Civil Engineering Contractors
- Institute of Concrete Technology
- Institution of Civil Engineers
- Institution of Highways and Transportation
- Institution of Structural Engineers
- Institution of Water and Environmental Management
- Mortar Producers Association Limited
- Sand and Gravel Association Limited
- Society of Chemical Industry

This British Standard, having been prepared under the direction of the Cement, Gypsum, Aggregates and Quarry Products Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 29 June 1990

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The following BSI references relate to the work on this standard:
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Foreword

This Part of BS 812 has been prepared under the direction of the Cement, Gypsum, Aggregates and Quarry Products Standards Policy Committee, and is a revision of clause 7 of BS 812-2:1975, which is withdrawn by amendment. It forms part of a general revision of the 1975 edition of BS 812. As each of the tests, or collection of related tests, is revised it is intended to issue it as a separate Part or Section of this standard.

In the case of the definitive, oven-drying method for the determination of the moisture content, only editorial changes have been made to the procedure described in the previous edition of clause 7 of BS 812-2:1975. However, in the case of the subsidiary methods, although the modified drying method has been retained under the title of the high temperature method, the siphon-can and buoyancy methods have been omitted as they are rarely used. In their place methods based respectively on the use of a microwave oven and on the reaction of water in the aggregate with calcium carbide have been introduced. These tests are of more limited application than the oven-drying method but are easier to carry out and provide rapid results. In the case of the calcium carbide method, the test procedure has been added as an appendix because of limited availability of information on the apparatus.

It is intended that other British Standards should call up BS 812 test methods as the basis of compliance. Nevertheless, it is *not* intended that all aggregates should be subjected to all the listed tests. Specifications in other standards should call up only the relevant test methods.

Reference should be made to BS 812-101 for general guidance on testing aggregates, precision of test methods and variance arising from sampling errors. A British Standard does not purport to include all the necessary provisions of a contract. Users of British Standards are responsible for their correct application.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, pages 1 to 6, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.