

AS 1316—1972

Australian Standard[®]

MASONRY CEMENT

METRIC UNITS

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Association of Consulting Engineers, Australia
Australian and New Zealand Railways Conferences
Cement and Concrete Association of Australia
Commonwealth Department of Works
Commonwealth Scientific and Industrial Research Organization
Departments of Public Works
Electricity Supply Authorities
Housing Authorities
Manufacturers of Blended Cement
Maritime Services Board of N.S.W.
National Association of Australian State Road Authorities
National Ready Mixed Concrete Association
Royal Australian Chemical Institute
The Institution of Engineers, Australia
The Royal Australian Institute of Architects
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This standard, prepared by Committee BD/10, Cement, was approved on behalf of the Council of the Standards Association of Australia on 1 August 1972.

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**Specification and Methods of
Test for**

MASONRY CEMENT

METRIC UNITS

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PREFACE

This standard is the metric unit version of AS A152. It is intended to establish minimum requirements and standard methods of test for a hydraulic cement (known as masonry cement) for use in mortars in masonry construction, and for rendering and plastering.

ASTM procedures have generally been followed and ASTM values have been adopted for most of the physical requirements, departures being the selection of an earlier initial setting time and a lower minimum air content. Another minor departure is the method of preparation of the standard mortar. Procedures have been modified where applicable to permit the use of equipment complying with Australian standards; where equipment is not covered by Australian standards ASTM equipment is specified and descriptions of items are given in the appendices.

The choice of Ottawa sand as the standard for test purposes has been dictated by the fact that new test values would need to be established for an alternative sand, and no suitable Australian sand has been located. The standard sand consists of a blend of graded sand and single-sized sand. The preparation of the graded sand is in accordance with AS *, the ASTM method is followed in the preparation of the single-sized sand.

The standard requires reference to the following Australian standards:

- | | |
|---------|---|
| AS 1152 | Test Sieves (Metric Units)* |
| AS 1315 | Portland Cement (Metric Units)* |
| AS | Dense Natural Aggregates for Concrete (Metric Units)* |
| AS R6 | Graduated Measuring Cylinders. |

These standards give some details of procedures and requirements for apparatus, also some grading limits for the standard sand. Other details have been abstracted from ASTM standards, and acknowledgment is made of the assistance obtained from this source.

* In course of preparation.

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