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Australian Standard 1315—1973

PORTLAND CEMENT

METRIC UNITS



THE FOLLOWING SCIENTIFIC, INDUSTRIAL AND GOVERNMENTAL ORGANIZATIONS and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia Association of Consulting Engineers, Australia Australian and New Zealand Railways Conferences Cement and Concrete Association of Australia Commonwealth and State Departments of Works CSIRO Division of Building Research **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 Royal Australian Institute of Architects The Institution of Engineers, Australia Universities Water Conservation, Water Supply and Hydro-electric Authorities

This standard, prepared by Committee BD/10, Cement, was approved on behalf of the Council of the Standards Association of Australia on 23 November 1972.

In order to keep abreast of progress in the industries concerned, Australian standards are subject to periodical review. Suggestions for improvements, addressed to the Headquarters of the Association, will be welcomed.

The specification is intended to include the technical provisions necessary for the supply of the materials herein referred to, but does not purport to comprise all the necessary provisions of a contract.

AUSTRALIAN STANDARD

SPECIFICATION AND METHODS OF TEST FOR PORTLAND CEMENT (METRIC UNITS)

AS 1315-1973

First issued 1973

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PREFACE

This standard was prepared by the Committee on Cement as the metric version of AS A2—1963. No changes have been made in either performance requirements or methods of test other than those associated with the conversion of imperial units to metric units.

Following the publication of AS A2—1963, the committee prepared AS A174—1969, Spectrophotometric Analysis of Cement, which provided an alternative to the existing methods of analysis given in AS A2. A metric version

of AS A174 has been published as AS 1378—1972.

The committee has also prepared SAA MP27—1973, Manual on the Physical Testing of Portland Cement, which provides supplementary information on the methods of test given in this standard. Complementary standards include AS 1316—1972, Masonry Cement, and AS 1317—1972, Blended Cements.

A number of important matters are still being investigated, including a standard concrete test for the determination of cement strengths, sampling

provisions and performance requirements.

In preparing this standard the committee kept constantly in mind the fact that the provisions of the standard establish minimum requirements for a particular type of cement and do not purport to cover all of the requirements which might be necessary for a cement for a particular application. This is a matter for normal commercial negotiation. The specification and the methods of test herein are designed to specify a good commercial quality cement in the four types covered.

All Australian standards, including methods of test, are subject to review from time to time so that advantage may be taken of any improvements made to the product concerned or of development of technique resulting from practical laboratory application. Users of this standard are particularly asked to advise the Association of their experience in its practical use and suggestions would be welcomed which would improve either the provisions or the methods of test described. Such comments should be addressed to the headquarters of the Association, Standards House, 80 Arthur Street, North Sydney, N.S.W. 2060.

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