STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 2350.18:2006 Methods of testing portland, blended and masonry cements Method 18: Determination of water retention of masonry cement

RECONFIRMATION NOTICE

Technical Committee BD-010 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 24 February 2016.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 18 May 2016.

The following are represented on Technical Committee BD-010:

AUSTROADS Cement and Concrete Association of New Zealand Cement Concrete and Aggregates Australia Cement Concrete and Aggregates Australia—Cement Cement Concrete and Aggregates Australia—Concrete Concrete Institute of Australia Concrete Masonry Association of Australia Engineers Australia Portland Cement Association

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Methods of testing portland, blended and masonry cements

Method 18: Determination of water retention of masonry cement

1 SCOPE

This Standard sets out the method for determining the water retention of a masonry cement prepared and tested as a standard mortar.

NOTES:

- 1 The testing procedure herein may involve the use of materials or equipment that require safety measures to be observed.
- 2 This Standard does not purport to address all of the safety concerns, if any, associated with its use.
- 3 The user of this Standard should establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

2350	Methods of testing of portland, blended and masonry cements
2350.1	Method 1: Sampling
2350.3	Method 3: Normal consistency
ASTM	
C230	Standard Specification for Flow Table for Use in Tests of Hydraulic Cement
C778	Standard Specification for Standard Sand

3 PRINCIPLE

A standard mortar is prepared by mechanically mixing 1 part masonry cement to 3 parts standard sand, by volume, with sufficient water to achieve a standard consistency as measured by the flow table. The standard fresh mortar is subjected to a vacuum and its ability to retain water is calculated from its change in consistency as measured by the flow table.

4 APPARATUS AND RELATED CONDITIONS

4.1 Laboratory

The air within the laboratory in which the specimens are made and tested shall be maintained at a temperature of $23 \pm 2^{\circ}$ C and a relative humidity of not less than 50%.

4.2 Balance

The balance shall have a capacity appropriate to the mass required and shall be capable of weighing to the nearest 1 g.

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