

STANDARDS AUSTRALIA

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RECONFIRMATION

OF

AS 2350.7—2006

Methods of testing portland, blended and masonry cements

Method 7: Determination of temperature rise during hydration of portland and  
blended cements

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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.

Reconfirmed documents cannot be amended, but may be formally revised and a new edition published.

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.

The following are represented on Technical Committee BD-010:

AUSTROADS

Cement & Concrete Association of New Zealand

Cement Concrete & Aggregates Australia

Cement Concrete & Aggregates Australia – Cement

Cement Concrete & Aggregates Australia – Concrete

Concrete Institute of Australia

Concrete Masonry Association of Australia

Engineers Australia

Portland Cement Association

## NOTES

# Australian Standard®

AS 2350.7—2006

## Methods of testing portland, blended and masonry cements

### Method 7: Determination of temperature rise during hydration of portland and blended cements

#### 1 SCOPE

This Standard sets out the method for determining temperature rise during the hydration of portland and blended cements, under precisely defined conditions.

##### 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.
- 4 A procedure for calculating the heat of hydration of portland and blended cements is given in AFNOR NF 15-436.

#### 2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

##### AS

- 2350 Methods of testing portland, blended and masonry cements  
2350.12 Method 12: Preparation of a standard mortar and moulding of specimens

##### AS/NZS

- 2350 Methods of testing portland, blended and masonry cements  
2350.1 Method 1: Sampling

##### IEC

- 751 Industrial platinum resistance thermometer sensors

##### AFNOR

- NF 15-436 Measuring the hydration heat of cements by means of semi-adiabatic calorimetry (Langavant method)

#### 3 PRINCIPLE

A fixed quantity of plastic cement mortar prepared in accordance with AS 2350.12 is introduced into a calorimeter, and the subsequent rise in temperature over a period of time is recorded.