

STANDARDS AUSTRALIA

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**RECONFIRMATION**

**OF**

**AS 1774.30—2005**

**Refractories and refractory materials—Physical test methods  
Method 30: Drying and firing schedules**

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**RECONFIRMATION NOTICE**

Technical Committee MN-007 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 19 August 2015.

The following are represented on Technical Committee MN-007:

Australian Ceramic Society  
Bureau of Steel Manufacturers of Australia  
Cement Industry Federation  
CSIRO  
Institute of Refractories Engineers  
Refractories Manufacturers Association of Australia  
The University of New South Wales

## NOTES

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# Refractories and refractory materials—Physical test methods

## Method 30: Drying and firing schedules

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### PREFACE

This Standard was prepared by the Standards Australia Committee MN-007, Refractories and Refractory Materials to supersede AS 1774.30—1998.

The objective of this Standard is to incorporate the drying and firing schedules for test samples using methods in the AS 1774 series into a single document. These schedules will be deleted from other AS 1774 Standards in favour of reference to this Standard.

This revision of the Standard specifies a time for references to ‘constant mass’ in the AS 1774 series and updates the cooling rate requirement.

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### METHOD

#### 1 SCOPE

This Standard sets out the drying and firing schedules to be used for test samples of different refractory materials.

#### 2 REFERENCED DOCUMENT

The following document is referred to in this Standard:

AS	
1774	Refractories and refractory materials—Physical test methods (series)
2780	Refractories and refractory materials—Glossary of terms

#### 3 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 2780 apply.

#### 4 PRINCIPLE

Refractory samples are heated and then cooled either in a drying oven or furnace at a prescribed rate.

#### 5 SCHEDULES

##### 5.1 Drying

NOTE: Any reference in the AS 1774 series that specifies drying to ‘constant mass’ means that two successive weighings taken at least two hours apart after the minimum drying time specified in Table 1 should not differ by more than 0.5%.