

Australian Standard™

AS 1774.1

Refractories and refractory materials— Physical test methods

Method 1: Determination of cold compressive strength

PREFACE

This Standard was prepared by the Standards Australia Committee MN/7, Refractories and Refractory Materials to supersede AS 1774.1—1991.

Changes from the 1991 edition include—

- (a) inclusion of cylindrical test pieces;
- (b) adjustment of loading rates; and
- (c) cut off for low strength materials increased from 4 MPa to 10 MPa.

METHOD

1 SCOPE

This Standard sets out a method for determining the cold compressive strength of refractory bricks and monolithics.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

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| 1774 | Refractories and refractory materials—Physical test methods |
| 1774.4.1 | Method 4.1: Preparation of test pieces—Castable refractories |
| 1774.4.2 | Method 4.2: Preparation of test pieces—Low-cement castable refractories |
| 1774.4.3 | Method 4.3: Preparation of test pieces—Unshaped refractories on site |
| 1774.4.4 | Method 4.4: Preparation of test pieces—Mouldable refractories |
| 1774.4.5 | Method 4.5: Preparation of test pieces—Gunning refractories |
| 2152 | Methods for calibration and grading of force-measuring systems of testing machines |
| 2243 | Safety in laboratories (series) |
| 2780 | Refractories and refractory materials—Glossary of terms |

