

Australian Standard™

Refractory bricks and shapes

Part 1: Fireclay

This Australian Standard was prepared by Committee MN-007, Refractories and Refractory Materials. It was approved on behalf of the Council of Standards Australia on 14 March 2003 and published on 25 March 2003.

The following are represented on Committee MN-007:

Australian Ceramic Society
Australasian Institute of Mining and Metallurgy
Australian Aluminium Council
Bureau of Steel Manufacturers of Australia
CSIRO—Manufacturing and Infrastructure Technology
Institute of Refractories Engineers
Refractories Manufacturer

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PREFACE

This Standard was prepared by Standards Australia Committee MN-007, Refractories and Refractory Materials to supersede AS 1671.1—1993.

The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.



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STANDARDS AUSTRALIA

Australian Standard
Refractory bricks and shapes

Part 1: Fireclay

1 SCOPE

This Standard specifies requirements for machine-made fireclay refractory bricks and shapes.

NOTE: Alternative methods for determining compliance with this Standard are given in Appendix A.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- 1199 Sampling procedures and tables for inspection by attributes
- 1399 Guide to AS 1199—Sampling procedures and tables for inspection by attributes
- 1618 Dimensions and preferred sizes for refractory bricks
- 1774 Refractories and refractory materials—Physical test methods
- 1774.13 Method 13: Permanent dimensional change
- 2497 Procedures for acceptance testing of refractory products
- 2497.1 Part 1: Batch procedure
- 2780 Refractories and refractory materials—Glossary of terms
- HB 18.28 Guidelines for third-party certification and accreditation, Guide 28—General rules for a model third-party certification system for products

AS/NZS ISO

- 9001 Quality management systems—Requirements
- 9004 Quality management systems—Guidelines for performance improvements

3 DEFINITIONS

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

4 CLASSIFICATION

Bricks shall be classified on a duty basis in terms of refractoriness (see Note), in accordance with Table 1.

NOTE: The temperatures given in Table 1 are for classification purposes only, and should not be related to safe operating temperatures.