

Australian Standard[®]

Limes and limestones

Part 1: Limes for building

This Australian Standard was prepared by Committee BD/27, Lime. It was approved on behalf of the Council of Standards Australia on 11 July 1997 and published on 5 September 1997.

The following interests are represented on Committee BD/27:

AUSTROADS

Cement and Concrete Association of Australia

CSIRO Building, Construction and Engineering

Master Builders Australia

National Lime Association of Australia

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Originated as part of AS A3—1928 and AS A4—1928.
Previous edition AS 1672—1974.
Revised and redesignated in part as AS 1672.1—1997.

PREFACE

This Standard was prepared by the Standards Australia Committee BD/27, Lime, to supersede, in part, AS 1672—1974, *Building limes*.

Major alterations to the relevant parts of AS 1672 are as follows:

- (a) This Standard contains only the specification of limes for building.
- (b) Test methods are now in AS 4489.
- (c) The definitions clause of AS 1672 has been expanded to include lime slurry, lime putty, water and processing additions.
- (d) The physical and chemical requirements in AS 1672 have been incorporated in Table 1 and Table 2 of this Standard.
- (e) The sampling clause of AS 1672 has been transferred to AS 4489.1.1.
- (f) Appendix A of AS 1672 has been incorporated into Clause 4.2 of this Standard.
- (g) Editorial amendments have been effected.

This Standard provides lime manufacturers and lime users with requirements for specifying quicklime and hydrated lime intended for use in building. It allows acceptance of coarser finishing lime than permitted by AS 1672 provided that the product meets a soundness—pat test.

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**Limes and limestones****Part 1: Limes for building**

1 SCOPE This Standard specifies requirements for quicklime and hydrated lime intended for use in building.

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

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

4489	Test methods for limes and limestones
4489.1.1	Method 1.1: Sample preparation—Quicklime and hydrated lime
4489.2.1	Method 2.1: Fineness—Wet sieving
4489.3.1	Method 3.1: Slaking—Dewar flask
4489.4.1	Method 4.1: Soundness—Pat
4489.4.2	Method 4.2: Soundness—Le Chatelier
4489.4.3	Method 4.3: Soundness—Autoclave
4489.5.1	Method 5.1: Chemical composition—Quicklime and hydrated lime
4489.6.1	Method 6.1: Lime index—Available lime
4489.7.1	Method 7.1: Loss on ignition—Quicklime, hydrated lime and limestone
4489.8.1	Method 8.1: Free moisture—Convection oven
4489.9.1	Method 9.1: Solid content—Convection oven
4489.10.1	Method 10.1: Bulk density—Quicklime and hydrated lime
1199	Sampling procedures and tables for inspection by attributes
1399	Guide to AS 1199—Sampling procedures and tables for inspection by attributes

AS/NZS

ISO 9000	Quality management and quality assurance standards
ISO 9000.1	Part 1: Guidelines for selection and use
ISO 9004	Quality management and quality system elements
ISO 9004.1	Part 1: Guidelines

SAA

AS 318	Guidelines for third-party certification and accreditation
AS 318.2	Guide 28—General rules for a model third-party certification scheme for products

3 DEFINITIONS For the purpose of this Standard, the definitions below apply.

3.1 Finishing lime—hydrated lime specially prepared for use in a finishing coat, plaster or render.