

AS 1604.1—2005
(Incorporating Amendment Nos 1 and 2)

AS 1604.1—2005

Australian Standard[®]

Specification for preservative treatment

Part 1: Sawn and round timber



This Australian Standard® was prepared by Committee TM-006, Timber Preservation and Durability. It was approved on behalf of the Council of Standards Australia on 18 November 2004.

This Standard was published on 22 March 2005.

The following are represented on Committee TM-006:

- A3P
- Australian Pesticides and Veterinary Medicines Authority
- Consumers' Federation of Australia
- Department of Primary Industries and Fisheries
- Engineered Wood Products Association of Australasia
- Engineers Australia
- Ensis
- Forests New South Wales
- Glued Laminated Timber Association of Australia
- Housing Industry Association, Australia
- LOSP Treated Timber Association
- New Zealand Timber Industry Federation
- New Zealand Timber Preservation Council
- Timber Preservers Association of Australasia
- Timber Queensland

Additional Interests:

- Dr Harry Greaves
-

This Standard was issued in draft form for comment as DR 03436.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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Originated as SAA INT 91—1945 and SAA INT 92—1945.
Previous edition AS 1604—1997.
Revised and redesignated AS 1604.1—2000.
Second edition AS 1604.1—2005.
Reissued incorporating Amendment No. 1 (July 2006).
Reissued incorporating Amendment No. 2 (March 2008).

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Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia
ISBN 0 7337 6490 8

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee TM-006, Timber Preservation, to supersede AS 1604.1—2000.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

This Standard incorporates Amendment No. 1 (July 2006) and No. 2 (March 2008). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure, or part thereof affected.

The objective of this Standard is to specify requirements for preservative-treated sawn and round timber for protection against decay, insect, or marine borer attack.

The objectives of this revision are as follows:

- (a) Incorporate the changes in Amendment No. 1 (issued on 2 April 2001).
- (b) Coordinate with the development of the new Australian Standard on timber natural durability. Tables A1 and A2 for selected hardwood not susceptible to lyctid attack and Tables F1 and F2 for the timber natural durability classification in the 2000 edition of AS 1604.1 have been incorporated into AS 5604.
- (c) Include requirements for seasoned softwood framing to be used south of the Tropic of Capricorn in hazard class H2 exposure conditions (in Section 3).
- (d) Amend the requirements for tributyltin-naphthenate-based preservatives used in structural products in hazard class H3 exposure conditions.

This Standard is part of a series that covers specifications for preservative treatment of timber products, as follows:

AS 1604	Specification for preservative treatment
AS 1604.1	Part 1: Sawn and round timber (this Standard)
AS/NZS 1604	Specification for preservative treatment
AS/NZS 1604.2	Part 2: Reconstituted wood-based products
AS/NZS 1604.3	Part 3: Plywood
AS/NZS 1604.4	Part 4: Laminated veneer lumber (LVL)
AS/NZS 1604.5	Part 5: Glued laminated timber products

This Standard does not specify the methods of preservative treatment that may be adopted to achieve the specified penetrations and retentions. Where the user is uncertain of the appropriate preservative treatment, additional information may be obtained from organizations such as state and territory forestry authorities, and the CSIRO Forestry and Forest Products.

Preservatives not covered in this edition, and which may have general application, should be brought to the attention of Standards Australia for consideration for inclusion in future editions.

WARNING: Important Safety Notice

Improper use of the preservative chemicals and treated products may be hazardous. All individuals involved in the production or testing of treated products should be familiar with the relevant material safety data sheets.

Consumer information sheets dealing with the appropriate use and handling of treated products should be provided at point of sale literature.

CCA-treated timber should not be used for food preparation surfaces nor in storage units or containers where the foodstuffs will be in direct contact with the treated timber surface.

For the purpose of user friendliness, the following colour page coding is used to differentiate between the six hazard classes:

- (i) *Orange*—Hazard class selection guide.
- (ii) *Yellow*—Hazard class H1.
- (iii) *Blue*—Hazard class H2.
- (iv) *Pink*—Hazard class H3.
- (v) *Green*—Hazard class H4.
- (vi) *Cream*—Hazard class H5.
- (vii) *Grey*—Hazard class H6.

Statements expressed in mandatory terms in notes to tables are deemed to be an integral part of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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