This is a free page sample. Access the full version online.



AS/NZS 1604.3:2010

Australian/New Zealand Standard™

# Specification for preservative treatment

# Part 3: Plywood

STANDARDS Australia

STANDARDS NEW ZEALAND PAEREWA AOTEAROA

This is a free page sample. Access the full version online.



This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TM-006, Timber Preservation and Durability. It was approved on behalf of the Council of Standards Australia on 15 September 2010 and on behalf of the Council of Standards New Zealand on 24 September 2010.
This Standard was published on 25 October 2010.

---

The following are represented on Committee TM-006:

A3P
Australian Pesticides and Veterinary Medicines Authority
CSIRO, Materials Science and Engineering
Department of Building and Housing (New Zealand)
Department of Primary Industries and Fisheries Queensland
Engineered Wood Products Association of Australasia
Engineers Australia
Forests New South Wales
Glued Laminated Timber Association of Australia
New Zealand Chemical Industry Council
New Zealand Pine Manufacturers Association
New Zealand Timber Industry Federation
New Zealand Timber Preservation Council
Timber Preservers Association of Australia
Timber Queensland
Wood Processors Association

Additional Interests:

Dr Harry Greaves

---

## Keeping Standards up-to-date

Standards are living documents which reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued. Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments which may have been published since the Standard was purchased.

Detailed information about joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

---

*This Standard was issued in draft form for comment as DR AS/NZS 1604.3.*

This is a free page sample. Access the full version online.



# Australian/New Zealand Standard™

# Specification for preservative treatment

# Part 3: Plywood

Originated as AS/NZS 1604.3:2002.
Previous edition 2004.
Third edition 2010.

**COPYRIGHT**

© Standards Australia Limited/Standards New Zealand

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140

ISBN 978 0 7337 9693 7

This is a free page sample. Access the full version online.



# PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-006, Timber Preservation and Durability, to supersede AS/NZS 1604.3:2004.

The objective of this Standard is to specify requirements for preservative treatment of plywood products for protection against decay or insect attack.

The objectives of this revision are to—

(a) include requirements for additional glueline treatments for both hazard class 1 and hazard class 2 exposure conditions;

(b) amend the composition of copper quat preservatives to include both alkaline copper and micronized copper systems; and

(c) add copper azole to Table H5.

This Standard does not specify the methods of preservative treatment to 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 state, territory or federation forestry authorities or traders' associations.

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 |
| AS/NZS 1604 | Specification for preservative treatment |
| AS/NZS 1604.2 | Part 2: Reconstituted wood-based products |
| AS/NZS 1604.3 | Part 3: Plywood (this Standard) |
| AS/NZS 1604.4 | Part 4: Laminated veneer lumber (LVL) |
| AS/NZS 1604.5 | Part 5: Glued laminated timber 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 as the point of sale literature.**

**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.**

Statements expressed in mandatory terms in notes to tables are deemed to be requirements 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.

This is a free page sample. Access the full version online.



# CONTENTS

*Page*

FOREWORD ..... 5

SECTION 1 SCOPE AND GENERAL
1.1 SCOPE ..... 6
1.2 APPLICATION ..... 6
1.3 NORMATIVE REFERENCES ..... 7
1.4 DEFINITIONS ..... 7
1.5 TIMBER PRESERVATIVES ..... 8
1.6 PRODUCT REQUIREMENTS ..... 8
1.7 SELECTION OF HAZARD CLASS ..... 9
1.8 PRESERVATIVE TREATMENT ..... 9
1.9 USE IN NEW ZEALAND ..... 10

SECTION 2 HAZARD CLASS H1
2.1 GENERAL ..... 11
2.2 PRESERVATIVE PENETRATION REQUIREMENT ..... 11
2.3 PRESERVATIVE RETENTION REQUIREMENT ..... 11

SECTION 3 HAZARD CLASS H2
3.1 GENERAL ..... 12
3.2 PRESERVATIVE PENETRATION REQUIREMENT ..... 12
3.3 PRESERVATIVE RETENTION REQUIREMENT ..... 13

SECTION 4 HAZARD CLASS H3
4.1 GENERAL ..... 14
4.2 PRESERVATIVE PENETRATION REQUIREMENT ..... 14
4.3 PRESERVATIVE RETENTION REQUIREMENT ..... 14
4.4 USE OF TBTN AND TBTO ..... 14

SECTION 5 HAZARD CLASS H4
5.1 GENERAL ..... 16
5.2 PRESERVATIVE PENETRATION REQUIREMENT ..... 16
5.3 PRESERVATIVE RETENTION REQUIREMENT ..... 17

SECTION 6 HAZARD CLASS H5
6.1 GENERAL ..... 18
6.2 PRESERVATIVE PENETRATION REQUIREMENT ..... 18
6.3 PRESERVATIVE RETENTION REQUIREMENT ..... 19

SECTION 7 HAZARD CLASS H6
7.1 GENERAL ..... 20
7.2 PRESERVATIVE PENETRATION REQUIREMENT ..... 20
7.3 PRESERVATIVE RETENTION REQUIREMENT ..... 20

SAI GLOBAL

This is a free preview.  Purchase the entire publication at the link below:

Product Page

Looking for additional Standards? Visit Intertek Inform Infostore

Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation