

AS/NZS 1604.2:2021



Australian/New Zealand Standard™

# Preservative-treated wood-based products

Part 2: Verification requirements



AS/NZS 1604.2:2021

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee TM-012, Timber Grading and Preservation. It was approved on behalf of the Council of Standards Australia on 24 March 2021 and by the New Zealand Standards Approval Board on 03 March 2021.

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The following are represented on Committee TM-012:

- Australian and New Zealand Timber Preservative Manufacturers Association
- Australian Forest Products Association
- Australian Timber Flooring Association
- Australian Timber Importers Federation
- Building Research Association of New Zealand
- Engineered Wood Products Association of Australasia
- Forest and Wood Products Australia
- Forestry Corporation of NSW
- Glued Laminated Timber Association of Australia
- Ministry of Business, Innovation and Employment (NZ)
- National Centre for Timber Durability and Design Life
- NATSPEC
- New Zealand Timber Industry Federation
- New Zealand Timber Preservation Council
- New Zealand Wood Processors Association
- Responsible Care New Zealand
- Scion
- Tasmanian Timber Promotion Board
- Timber Preservers Association of Australia

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# **Preservative-treated wood-based products**

## **Part 2: Verification requirements**

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## Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-012, Timber Grading and Preservation.

The objective of this Standard is to present minimum product verification requirements for preservative-treated wood-based products. Alternative verification methods are presented to meet the needs of 1st, 2nd and 3rd parties. These methods allow for both quantitative and qualitative test results.

This Standard is part of a series on preservative-treated wood-based products as follows:

AS/NZS 1604.1, *Preservative-treated wood-based products, Part 1: Products and treatment*

AS/NZS 1604.2, *Preservative-treated wood-based products, Part 2: Verification requirements*

AS/NZS 1604.3, *Preservative-treated wood-based products, Part 3: Test methods*

This document is referenced in AS/NZS 1604.1 and its requirements apply to preservative-treated wood-based products claimed to be produced in accordance with that Standard. This document also refers to AS/NZS 1604.3 as the basis for testing preservative retention and penetration in treated wood-based products.

AS/NZS 1604.1 prescribes preservative-treated wood-based products by defining and setting requirements for the following characteristics:

- (a) Preservative retention.
- (b) Preservative penetration.
- (c) Natural durability (timber species).
- (d) Traceability and marking.

The verification requirements herein can provide confidence that the above characteristics conform to the requirements of AS/NZS 1604.1. This standard does not provide a means of verifying the durability performance of preservative-treated wood-based products.

Preservative-treated wood-based products may also be subject to requirements not within the scope of AS/NZS 1604.1. For instance, these products may also require specific structural properties, appearance, moisture content and utility requirements. These characteristics are not covered in this Standard and where requirements for these characteristics need to be verified, reference should be made to the relevant product and/or verification Standard.

The terms “normative” and “informative” are used in Standards to define the application of the appendices to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is for information and guidance only.

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## NOTES

# Australian/New Zealand Standard

## Preservative-treated wood-based products

### Part 2: Verification requirements

#### Section 1 Scope and general

##### 1.1 Scope

This Standard specifies minimum requirements for verifying the conformance of preservative-treated wood-based products to AS/NZS 1604.1.

##### 1.2 Application

This Standard shall be applied to make a statement regarding conformance of preservative-treated wood-based products with AS/NZS 1604.1 whereby:

- (a) Products classified as “verified”, using the requirements herein, shall be claimed to be in conformance with AS/NZS 1604.1.
- (b) Products classified as “conditionally verified”, using the requirements herein, shall be subject to additional conditions, which may include further verification activities. After two consecutive “conditionally verified” results, the products being verified shall not be claimed to be in conformance with AS/NZS 1604.1.
- (c) Products classified as “not verified”, using the requirements herein, shall not be claimed to be in conformance with AS/NZS 1604.1.

NOTE The following normative and informative appendices are provided to support the assessment of conformance, as referenced in [Clause 2](#):

- (a) [Appendix A](#) — Reference method for verifying penetration and retention.
- (b) [Appendices B, C](#) and [D](#) — Deemed to satisfy methods that have been calibrated to give a similar retention verification outcome.
- (c) [Appendix E](#) — Methods for verifying natural durability (timber species) and marking.
- (d) [Appendix F](#) — Guidance on sampling.
- (e) [Appendix G](#) — Guidance on interpreting verification outcomes.
- (f) [Appendix H](#) — Requirements for sampling and preparation of test specimens.
- (g) [Appendix I](#) — Worked examples for retention verification using [Appendices A, B, C](#) and [D](#).

##### 1.3 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document:

AS 5604, *Timber — Natural durability ratings*

AS/NZS 1604.1, *Preservative-treated wood-based products, Part 1: Products and treatment*

AS/NZS 1604.3, *Preservative-treated wood-based products, Part 3: Test methods*

AS/NZS 4491, *Timber — Glossary of terms in timber-related Standards*