

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 1604.5:2012
Specification for preservative treatment
Part 5: Glued laminated timber products

REVISED TEXT

The 2012 edition of AS/NZS 1604.5 is amended as follows; the amendments should be inserted in the appropriate places.

This Amendment was prepared by Committee TM-012, Timber Grading and Preservation.

SUMMARY: This Amendment applies to the Preface, Clauses 1.2, 1.4.11, 1.4.12, 1.4.15 (new), 1.4.16 (new), 1.5, 1.7, 1.8.1, 1.8.2, 1.8.3, 1.8.4, 1.8.5, 1.8.6, 2.1, 2.2, 3.1, 3.2, 3.2.1, 4.1, 4.2, 4.2.1, 5.1, 5.2, 6.1, 6.2.1, 6.3, Table 1.1, Figure 6.1, Appendix C (new) and Appendix D (new) and Bibliography.

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AMDT
No. 1
MAR
2017

Preface

- 1 *Insert* the following after the third paragraph:

The objectives of this amendment to this Standard are to—

- (i) delete all references to Forests New South Wales;
- (ii) amend and simplify the preservative and preservative treatment requirements of Clauses 1.5, 1.7 and 1.8;
- (iii) amend the marking information in Clause 6.2.1;
- (iv) insert a new Appendix C, Timber preservatives; and
- (v) insert a new Appendix D, Abbreviated marking.

- 2 In the fifth paragraph, fourth line, *delete* ‘(e.g., Forests New South Wales)’.

AMDT
No. 1
MAR
2017

Clause 1.2

Delete Note 2.

AMDT
No. 1
MAR
2017

Clause 1.4.11

- 1 Clause heading, *delete* ‘code’ and *replace* with ‘identification’.
- 2 In the Note, *delete* the text *replace* with ‘For preservative identification numbers, see Appendix C’.

AMDT
No. 1
MAR
2017

Clause 1.4.12

Delete text, including the Note and *replace* with the following:

A unique number, allocated to a particular treatment plant and listed in a register published for that purpose, for identifying timber treated at that plant.

AMDT
No. 1
MAR
2017

Clause 1.4.15 (new)

After Clause 1.4.14, *insert* the following new clause:

1.4.15 Penetration tracer

A non-diffusible chemical compound added to a treating solution and used as a penetration indicator chemical, the penetration of which correlates with the penetration of the active ingredient(s).

AMDT
No. 1
MAR
2017

Clause 1.4.16 (new)

After Clause 1.4.15, *insert* the following new clause:

1.4.16 Pesticides registrar

The Australian or New Zealand government body responsible for the registration of pesticides.

NOTE: Currently, these bodies are the Australian Pesticides and Veterinary Medicines Authority (APVMA) and the New Zealand Environmental Protection Authority (NZ-EPA).

AMDT
No. 1
MAR
2017

Clause 1.5

Delete text and *replace* with the following:

The timber preservative formulation shall—

- (a) comply with the composition of preservatives requirements of AS 1604.1 Appendix B; and
- (b) when used in Australia or New Zealand be approved and registered by the pesticides registrar.

NOTES:

- 1 Information on preservatives included in this Standard, and the inclusion of new preservatives into this Standard, is provided in Appendix C.
 - 2 For timber products from overseas, the timber preservative formulation may be registered by an appropriate government agency in an overseas country of manufacture and should have independently verified efficacy data.
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AMDT
No. 1
MAR
2017

Clause 1.7

- 1 *Delete* clause title and *replace* with the following:

1.7 HAZARD CLASS

- 2 *Delete* the first paragraph and *replace* with the following:

Five hazard classes are used as the basis for specifying the preservative treatment of glued laminated timber products in accordance with this Standard. These are defined in Table 1.1.

AMDT
No. 1
MAR
2017

Table 1.1

Delete table title and *replace* with 'HAZARD CLASS'.

AMDT
No. 1
MAR
2017

Clause 1.8.1

Delete text and *replace* with the following:

Preservative treatment shall satisfy the penetration and retention requirements for hazard Classes H1 to H4 as specified in Sections 2 to 5 respectively.

NOTES:

- 1 Specifiers should nominate the minimum hazard class appropriate to the specific exposure and service conditions.
- 2 Treatment for service at a higher hazard class satisfies all requirements for service at a lower hazard class with the exception of New Zealand H1.2 treatment (see Clause 1.9).
- 3 The retention levels in this Standard are the minimum requirements. In the case of hardwoods, they were calculated using an average air-dried density of 988 kg/m³ and average expected service lives as given in AS 5604. Higher retention levels may be necessary to meet specific 'fit for purpose' applications, such as the use of low-density eucalypt poles.
- 4 Information on natural durability ratings is provided in Appendix F of AS 1604.1.

AMDT
No. 1
MAR
2017

Clause 1.8.2

Delete clause.

AMDT
No. 1
MAR
2017

Clause 1.8.3

Delete clause and *replace* with the following:

1.8.3 Penetration and retention compliance

Penetration and retention compliance shall be established as follows:

- (a) Test pieces shall be sampled in accordance with Appendix B and tested separately using the appropriate method of the AS/NZS 1605 series.
- (b) The material for analysis shall be taken from across the full cross-section of the specified penetration zone in accordance with the requirements of AS/NZS 1605 series.
- (c) The penetration and retention determined from the testing in Item (a) shall be not less than that required for the nominated hazard class, as specified in Sections 2 to 5.
- (d) The specified preservatives shall be distributed, as described in the AS/NZS 1605 series, throughout the penetration zone.
- (e) The amount of preservative in the penetration zone shall be expressed as a percentage mass/mass (% mm), based on the oven-dried mass of the test sample.

NOTE: Where a penetration tracer is used, evidence should be available to demonstrate that the penetration of the tracer chemical correlates with the penetration of the active ingredients (refer to AS/NZS 1605 series).

AMDT
No. 1
MAR
2017

Clause 1.8.4

Delete clause.

AMDT
No. 1
MAR
2017

Clause 1.8.5

Delete clause.
