

Australian/New Zealand Standard™

**Methods for sampling and analysing
timber preservatives and preservative-
treated timber**

**Part 1: General requirements, sampling,
and determination of sapwood and
heartwood presence**



AS/NZS 1605.1:2006

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 21 April 2006 and on behalf of the Council of Standards New Zealand on 5 May 2006.

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The following are represented on Committee TM-006:

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Australian Pesticides and Veterinary Medicines Authority
Consumers Federation of Australia
Department of Primary Industries and Fisheries Queensland
Engineered Wood Products Association of Australasia
Engineers Australia
Ensis
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Part 1: General requirements, sampling, and determination of sapwood and heartwood presence

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-006, Timber Preservation and Durability, to supersede (in part), AS/NZS 1605:2000, *Methods for sampling and analysing timber preservatives and preservative-treated timber*.

The objective of this Standard is to set out a series of methods for sampling and analysing timber preservatives and preservative-treated timber.

This revision separates the current AS/NZS 1605 into a four-part series as follows:

AS/NZS

- 1605 Methods for sampling and analysing timber preservatives and preservative-treated timber
- 1605.1 Part 1: General requirements, sampling, and determination of sapwood and heartwood presence (this Standard)
- 1605.2 Part 2: Determination of preservative penetration by spot tests
- 1605.3 Part 3: Analysis methods for determination of preservative retention
- 1605.4 Part 4: Analysis methods for determination of preservative solution concentration

The preservatives approved for use and incorporated in the AS/NZS 1604 series are required to be accompanied by analytical methods for their determination, which are incorporated in the AS/NZS 1605 series.

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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Australian/New Zealand Standard**Methods for sampling and analysing timber preservatives and preservative-treated timber****Part 1: General requirements, sampling, and determination of sapwood and heartwood presence**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies general requirements for sampling and analysing timber preservatives and preservative-treated timber, and sets out the method for determining the presence of sapwood and heartwood.

1.2 APPLICATION

This Standard should be read in conjunction with the AS/NZS 1604 series or the relevant Standard to which the timber is claimed to have been treated, and AS/NZS 1605.2, AS/NZS 1605.3 and AS/NZS 1605.4.

Methods for sampling and analysing timber preservatives and preservative-treated timber are categorized into the following Parts of the AS/NZS 1605 series, according to the general nature of the tests:

- (a) Sampling preservative liquids and preservative-treated timber Part 1.
- (b) Determination of the presence of sapwood and heartwood Part 1.
- (c) Determination of preservative penetration by spot tests Part 2.
- (d) Analysis of preservative retention Part 3.
- (e) Analysis of preservative solution concentration Part 4.

1.3 REFERENCED AND RELATED DOCUMENTS**1.3.1 Referenced documents**

The following documents are referred to in this Standard:

AS/NZS

- 1604 Specification for preservative treatment (all Parts)
- 1605 Methods for sampling and analysing timber preservatives and preservative-treated timber
- 1605.2 Part 2: Determination of preservative penetration by spot tests
- 1605.3 Part 3: Analysis methods for determination of preservative retention
- 1605.4 Part 4: Analysis methods for determination of preservative solution concentration
- 4491 Timber—Glossary of terms in timber-related Standards