

Australian/New Zealand Standard™

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

**Part 2: Determination of preservative
penetration by spot tests**



AS/NZS 1605.2:2006

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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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
- 1605.2 Part 2: Determination of preservative penetration by spot tests (this Standard)
- 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.

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Australian/New Zealand Standard**Methods for sampling and analysing timber preservatives and preservative-treated timber****Part 2: Determination of preservative penetration by spot tests**

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard sets out the method for determining the penetration of preservative into sawn and round timber. It deals with the preparation of material for testing and the methods for determining the penetration of creosote, boron, copper in copper-based preservatives, pentachlorophenol, tin, and fluorine.

1.2 APPLICATION

This Standard should be read in conjunction with the AS/NZS 1604 series or the relevant Standard to which timber is claimed to have been treated, and AS/NZS 1605.1.

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
- 1605.1 Part 1: General requirements, sampling, and determination of sapwood and heartwood presence
- 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