

Australian Standard[®]

**Timber—Hardwood—Visually stress-
graded for structural purposes**



This Australian Standard® was prepared by Committee TM-003, Timber Grading. It was approved on behalf of the Council of Standards Australia on 4 January 2007. This Standard was published on 7 December 2007.

The following are represented on Committee TM-003:

- A3P
 - Australian Timber Importers Federation
 - BRANZ
 - CSIRO Manufacturing, and Infrastructure Technology
 - Forest and Forest Products Employment Skills Company
 - Forest and Wood Products Research and Development Corporation
 - Forests New South Wales
 - Master Builders Australia
 - New Zealand Timber Industry Federation
 - New Zealand Timber Suppliers Group
 - Scion
 - Tasmanian Timber Promotion Board
 - Timber Queensland
 - University of Technology, Sydney
-

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Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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STANDARDS AUSTRALIA

RECONFIRMATION

OF

AS 2082—2007

Timber—Hardwood—Visually stress-graded for structural purposes

RECONFIRMATION NOTICE

Technical Committee TM-012 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 27 April 2017.

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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

NOTES

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graded for structural purposes**

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AS O84—1967, AS O135—1972 and AS 1483—1973.
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PREFACE

This Standard was prepared by the Standards Australia/Standards New Zealand Committee TM-003, Timber Grading, to supersede AS 2082—2000. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide timber manufacturers, suppliers and users with requirements for visual stress grading of sawn hardwood, which is intended for structural purposes.

The objective of this revision is to align this Standard with other structural timber product Standards and incorporate recent research outcomes.

AS 2082 was first prepared in 1977 as an amalgamation of AS O81—1966, AS O135—1972, AS 1483—1973 and parts of AS O82—1965, AS O83—1963 and AS O84—1967. It drew together these grading rules which had been written for different timber groups such as Western Australian timbers (AS 1483, originally AS O7—1937). AS O82, AS O83 and AS O84 were revisions of grading rules for Eastern Australian timbers originating as interim numbers 360, 361 and 362 published in 1952 and number 366 first published in 1963.

In 1998, the AS 3818 series was prepared to cover a broad group of visually graded heavy structural products. After the publication of AS 3818.6—2003 for decking for wharves and bridges and AS 3818.7—2006 for large cross-section sawn hardwood engineering timbers, these products are no longer covered by AS 2082.

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.

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STANDARDS AUSTRALIA

Australian Standard

Timber—Hardwood—Visually stress-graded for structural purposes

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for visually stress-graded sawn hardwood intended for structural purposes, at the time of grading.

NOTES:

- 1 The coverage of hardwood species or species mixtures listed in this Standard does not imply their availability, or the availability of any particular grade of any species or species mixture.
- 2 This Standard may be used as a basis for certification of conformity under a product certification program.

1.2 APPLICATION

The specification of timber graded to this Standard shall consist of the requirements of this Section together with the relevant grade description given in Section 2 or Section 3, where appropriate.

1.3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

- | | |
|--------|--|
| 1604 | Specification for preservative treatment |
| 1604.1 | Part 1: Sawn and round timber |
| 1684 | Residential timber-framed construction (all parts) |
| 1720 | Timber structures |
| 1720.1 | Part 1: Design methods |

AS/NZS

- | | |
|--------|--|
| 1080 | Timber—Methods of test |
| 1080.1 | Method 1: Moisture content |
| 1080.2 | Method 2: Slope of grain |
| 1148 | Timber—Nomenclature—Australian, New Zealand and imported species |
| 2878 | Timbers—Classification into strength groups |
| 4063 | Timber—Stress-graded—In-grade strength and stiffness evaluation |
| 4491 | Timber—Glossary of terms in timber-related Standards |

1.4 DEFINITIONS

For the purpose of this Standard, the definitions given in AS/NZS 4491 and those below apply. Where the definitions below differ from those in AS/NZS 4491, for the purpose of this Standard those below apply.