

Australian Standard[®]

**Timber—Softwood—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 30 May 2008. This Standard was published on 30 June 2008.

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 Forest Industries Council
 - New Zealand Timber Industry Federation
 - Scion
 - Tasmanian Timber Promotion Board
 - Timber Queensland
 - University of Technology, Sydney
 - Wood Processors Association
-

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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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Timber—Softwood—Visually stress-graded for structural purposes

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-003, Timber Grading, to supersede AS 2858—2004. 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 grading of sawn softwood that 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.

Stress grades for cypress and hoop have been determined from tests on full size scantlings. This has resulted in the separate grade descriptions for those species given in sections 3 and 4.

Changes for slash pine are based on in-grade testing on full size scantlings. Seasoned softwood species have been limited generally by reducing the higher F ratings by one grade on the basis of the general knowledge developed through in-grade testing programs.

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

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for visual stress grading of sawn softwood intended for structural purposes at the time of grading.

This Standard does not apply to timber species with an average density at 12 percent moisture content below 360 kg/m³.

NOTES:

- 1 The coverage of softwood 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, 3 or 4, as appropriate.

1.3 NORMATIVE REFERENCES

The following documents are indispensable to the application of this Standard:

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

AS

- 1604 Specification for preservative treatment
1604.1 Part 1: Sawn and round

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 Timber—Classification into strength groups
4453 Timber—Stress-graded—In-grade strength and stiffness evaluation
4491 Timber—Glossary of terms in timber-related Standards