

Australian Standard™

**Timber—Softwood—Visually graded for  
structural purposes**



**S t a n d a r d s** Australia

This Australian Standard was prepared by Committee TM-003, Timber Grading. It was approved on behalf of the Council of Standards Australia on 15 September 2000 and published on 12 January 2001.

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The following interests are represented on Committee TM-003:

Australian Timber Importers Federation  
CSIRO, Division of Building Construction and Engineering  
Curtin University  
Forest and Forest Products Employment Skills Company  
Forestry Queensland  
Housing Industry Association, Australia  
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**Timber—Softwood—Visually graded for  
structural purposes**

Originates as part of AS (E)O54—1942, AS Int 376—1958,  
AS C 5—1964 and AS O107—1969.  
Previous edition AS 2858—1986.  
Second edition 2001.

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Published by Standards Australia International Ltd  
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 3627 0

## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM/3, Timber Grading, to supersede AS 2858—1986.

This Standard is the result of a consensus among representatives on the Joint Committee to produce it as an Australian Standard.

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

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

## Timber—Softwood—Visually graded for structural purposes

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard specifies requirements for visually stress-graded sawn softwood intended for structural purposes.

This Standard does not apply to timber species with an average density at 12 percent moisture content below 360 kg/m<sup>3</sup>.

## 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 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS

1080	Timber—Methods of test
1080.1	Part 1: Moisture content
1080.2.1	Method 2.1: Slope of grain by scribe
1080.2.2	Method 2.2: Slope of grain by reference to surface checks
1080.2.3	Method 2.3: Slope of grain by splintering
1148	Nomenclature of commercial timbers imported into Australia
1604	Timber preservative treated sawn and round
1684	National Timber Framing Code
1720	Timber structures (known as the SAA Timber Structures Code)
1720.1	Part 1: Design methods
2543	Nomenclature of Australian timbers
2878	Timber—Classification into strength groups
4063	Timber—Stress-graded—In grade strength and stiffness evaluation
AS/NZS	
4491	Timber—Glossary of terms in timber-related Standards