

AS 2082—1979

Australian Standard<sup>®</sup>

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**Visually stress-graded hardwood  
for structural purposes**

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[Title allocated by Defence Cataloguing Authority:  
TIMBER, HARDWOOD (Stress-graded for  
Structural Purposes)]

The following scientific, industrial and governmental organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Australian Federation of Timber Merchants Associations  
Australian Institute of Building  
CSIRO, Division of Building Research  
Forest Products Association of Western Australia  
Housing Trusts and Commissions  
Lending Institutions  
Master Builders Federation of Australia  
National Association of Australian State Road Authorities  
Radiata Pine Association of Australia  
Royal Australian Institute of Architects  
Sawmillers Associations  
State Departments of Public Works  
State Forestry Departments  
Timber Advisory Council of New South Wales  
Timber Merchants Associations  
Timber Promotion Committee, Victoria  
Timber Research and Development Advisory Council  
Universities

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This standard, prepared by Committee TM/101, Structural Timber Products, was approved on behalf of the Council of the Standards Association on 13 July 1979, and was published on 1 October 1979.

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## PREFACE

This standard was prepared by the Association's Committee on Structural Timber Products as a revision of AS 2082—1977.

The revision was undertaken in order to clarify expression of some of the requirements and to correct some errors and anomalies.

The changes mainly affect the measurement of imperfections and in particular the measurement of *Lyciid*-susceptible sapwood, but do not alter the actual grade specifications.

While the main factor in this standard is strength, consideration has been given to the necessity for a surface which provides a firm backing for the attachment of cladding and lining materials.

A new grade nomenclature has been adopted, i.e. Structural Grade No 1, Structural Grade No 2, Structural Grade No 3 and Structural Grade No 4. Derived from these are stud grades and lintel grades, which provide the straighter material required for studs and lintels; and appearance grades which have limitations on the visual blemishes allowed in structural members exposed to view. Because of the subjective nature of the aesthetic requirement for appearance grades, different limitations may be agreed to between the purchaser and the vendor, provided that all the requirements dictated by strength considerations are met.

In the selling and ordering of structural timber, it is desirable to nominate the required 'F' rating rather than refer to the grade name. Appendix A indicates how this may be achieved.

This standard requires reference to the following Australian standards:

AS 1080	Methods of Test for Timber Part 1—Moisture Content Part 2—Slope of Grain and Spiral Grain
AS 1148	Nomenclature of Commercial Timbers Imported into Australia
AS 1604	Preservative-treated Sawn Timber, Veneer and Plywood
AS 1613	Colours for Marking Stress Graded Timber
AS 1684	SAA Timber Framing Code
AS 1720	SAA Timber Engineering Code
AS 01	Glossary of Terms Used in Timber Standards
AS 02	Nomenclature of Australian Timbers

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\* In course of preparation.

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