

Australian Standard[®] 2796—1985

TIMBER— SEASONED HARDWOOD— MILLED PRODUCTS



STANDARDS ASSOCIATION OF AUSTRALIA
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The following interests are represented on Committee TM/104:

Australian Council of Furniture Manufacturers
Australian Institute of Building
CSIRO, Division of Chemical and Wood Technology
Department of Public Works, New South Wales
Door Manufacturers Association of Australia
Forest Products Association of Western Australia
Housing Trusts and Commissions
Lending Institutions
New South Wales Timber Advisory Council
Master Builders Federation of Australia
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Railways of Australia Committee
Royal Australian Institute of Architects
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This standard was issued in draft form for comment as DR 82169.

AUSTRALIAN STANDARD

**TIMBER—
SEASONED HARDWOOD—
MILLED PRODUCTS**

AS 2796—1985

First published as—	
AS 1641 to AS 1644	1974
AS 1702 to AS 1709	1974
AS 024, AS 034, AS 035 and AS 038	1964
AS 036	1965
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PREFACE

This standard was prepared by the Association's Committee on Milled Timber Products and supersedes the following standards:

- AS 1641—1974 Flooring Milled from Australian Rainforest Timber
- AS 1642—1974 Lining Milled from Australian Rainforest Timber
- AS 1643—1964 Weatherboards Milled from Australian Rainforest Timber
- AS 1644—1974 Mouldings Milled from Australian Rainforest Timber
- AS 1702—1974 Flooring Milled from South-eastern Australian Hardwoods
- AS 1703—1974 Lining Milled from South-eastern Australian Hardwoods
- AS 1704—1974 Weatherboards Milled from South-eastern Australian Hardwoods
- AS 1705—1974 Mouldings Milled from South-eastern Australian Hardwoods
- AS 1706—1974 Flooring Milled from North-eastern Australian Eucalypt Hardwoods
- AS 1707—1974 Lining Milled from North-eastern Australian Eucalypt Hardwoods
- AS 1708—1974 Weatherboards Milled from North-eastern Australian Eucalypt Hardwoods
- AS 1709—1974 Mouldings Milled from North-eastern Australian Eucalypt Hardwoods
- AS 024—1964 Flooring from Western Australian Hardwoods
- AS 034—1964 Lining from Western Australian Hardwoods
- AS 035—1964 Siding Boards from Western Australian Hardwoods
- AS 036—1965 Timber Used in the Manufacture of Joinery in Western Australia
- AS 038—1964 Mouldings from Western Australian Hardwoods

The project was undertaken as a result of a conference of members of SAA timber committees held in May 1978. The conference asked that the Milled Timber Products Committee 'examine the need for consolidation of the large number of standards dealing with flooring, lining, cladding, mouldings and so on. The advantages of consolidation for the user, specifier, inspector and importers, were stressed'.

The scope of the standard applies to *any* hardwood species and therefore does not constitute a barrier to trade. Hardwood dressed boards, barge boards and fascia boards have been included.

In this standard, light decking is included in the range of products not only because of its increasing use around domestic swimming pools but also because of its use in the industrial environment for duck-boards, catwalks and walkways around plant and machinery.

The standard describes four quality grades—'Clear', 'Select', 'Standard' and 'Utility'. For the last grade, the name 'Utility' was chosen as opposed to 'Merchantable' because in the hardwood industry 'Standard' grade and 'Merchantable' grade had at one time become synonymous. 'Utility' is a new grade for hardwood and it is considered that the name suggests its use to the user.

The standard consists of separate sections for each of four products or groups of products having common requirements for species, profiles, tolerances, machining imperfections, glue-laminating, end-matching and finger-jointing, and four grades of natural imperfections common to all products. No limitation has been placed on selection of grades for particular products. For example, utility grade cladding would not be suitable for a dwelling to be finished with gloss paint but could be considered suitable for a garden shed or fencing. The quality of timber surface finish has also been directly related to grade.

In Appendix A, Table A1, Summary of Surface Finishes for Seasoned Hardwood Milled Products and Table A2, Summary of Permissible Machining Imperfections for Seasoned Hardwood Milled Products and in Appendix B, Table B1, Summary of Permissible Natural Imperfections in Seasoned Hardwood Milled Products, have been included so that a quick comparison between grades can be made.

Appendix F, Information to be Supplied with Enquiries and Orders, although not mandatory, is an essential part of the standard because it highlights the options allowed in the standard that require decisions on the part of the purchaser.

Appendix G, Terminology of Flooring and Weatherboards and Appendix H, Nomenclature of Common Weatherboard Profiles are included for information only, but in the latter case inclusion of a profile does not imply its availability.

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STANDARDS ASSOCIATION OF AUSTRALIA

AUSTRALIAN STANDARD

for

TIMBER—SEASONED HARDWOOD—MILLED PRODUCTS

SECTION 1. SCOPE AND GENERAL REQUIREMENTS

1.1 SCOPE. This standard specifies tolerances and grades for tongued and grooved flooring and light decking, lining, dressed boards, joinery stock and mouldings, cladding and barge boards and fascia boards milled from hardwood.

NOTES:

1. The coverage by this standard of all hardwood species does not imply their availability nor the availability of every grade in any species or species group.
2. Milled timber for window frames, sashes and sills is specified in AS 1540.
3. Appendix F lists information that should be supplied by the purchaser with enquiries and orders.

1.2 APPLICATION. The specification for a milled product shall consist of the general requirements contained in this Section, together with the relevant product requirements given in the appropriate section as follows:

- (a) Flooring and light decking Section 2.
- (b) Lining Section 3.
- (c) Moulding, dressed boards and joinery stock Section 4.
- (d) Cladding, fascia boards and barge boards Section 5.

1.3 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

- | | |
|---------|---|
| AS 1080 | Methods of Testing Timber
1080.2.1—Determination of Slope of Grain by Scribe
1080.2.2—Determination of Slope of Grain by Reference to Surface Checks
1080.2.3—Determination of Slope of Grain by Splintering |
| AS 1080 | Methods of Test for Timber, Part 1—Moisture Content |
| AS 1148 | Nomenclature of Commercial Timbers Imported into Australia |
| AS 1309 | Glossary of Terms Used in the Adhesives Industry |
| AS 1328 | Glued-laminated Structural Timber |
| AS 1540 | Timber Frames and Sashes for Windows |
| AS 1604 | Preservative Treatment for Sawn Timber, Veneer and Plywood |
| AS 1728 | Types of Timber Surfaces |
| AS 2098 | Methods of Test for Veneer and Plywood
2098.2—Bond Quality of Plywood (Chisel Test) |
| AS 2193 | Methods for Calibration and Grading of Force-measuring Systems of Testing Machines |

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|---------|---|
| AS 2543 | Nomenclature of Australian Timbers |
| AS K88 | Synthetic Resin Adhesives for Plywood (Phenolic and Aminoplastic) |
| AS K89 | Protein Adhesives for Plywood |
| AS 01 | Glossary of Terms Used in Timber Standards |
| AS 080 | Decking Timbers from Eastern and South-eastern Australian Hardwoods |

1.4 GRADES. The grades of hardwood milled products shall be as follows:

- (a) Clear Grade.
- (b) Select Grade.
- (c) Standard Grade.
- (d) Utility Grade.

Descriptions of these grades are given in Appendix B.

1.5 DEFINITIONS. For the purpose of this standard, the definitions given in AS 1309, AS 01 and the following apply:

1.5.1 Black speck—discrete small black spots or flecks, occurring singly or in groups. It affects only the appearance of the timber and is not associated with borer holes or gum veins.

1.5.2 Cladding—the wall covering to keep weather out of a structure.

1.5.3 Face edge—the narrow longitudinal surface of milled timber which is graded with the face.

1.5.4 Light decking—square dressed boards, with or without chamfered or rounded arrises, and having the thickness of tongue and grooved flooring.

1.5.5 Lining—the covering of the interior of a structure.

1.5.6 Overlap—the difference between board width and cover width (see Appendix G).

1.5.7 Short tongue—a tongue reduced in its width.

1.5.8 Board width—for the purpose of grading, the overall finished width of the piece, including any tongue (see Figs B2 and B3 of Appendix B).

1.5.9 Cover width—the overall finished width of the piece, excluding any tongue (see Fig. B4 of Appendix B and Fig. G1 and G2 of Appendix G).

1.6 MOISTURE CONTENT. At the time of delivery, the moisture content anywhere within any piece shall be not less than 10 percent nor more than 15 percent, except that where this moisture content range is unsuitable for a particular location or purpose, the moisture content anywhere within any piece shall be within 2 percentage units of an agreed value (see Note 1 below and Appendix F, Item(c)).