

Australian/New Zealand Standard™

**Particleboard flooring**

**Part 1: Specifications**



## **AS/NZS 1860.1:2002**

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This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TM-005, Reconstituted Timber Panel Products. It was approved on behalf of the Council of Standards Australia on 31 July 2002 and on behalf of the Council of Standards New Zealand on 24 July 2002.

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The following are represented on Committee TM-005:

Australian Building Codes Board  
Australian Wood Panels Association  
CSIRO Forestry and Forest Products  
Housing Industry Association of Australia  
Monash University  
New Zealand Forest Research Institute  
New Zealand Wood Panel Manufacturers Association  
State Forests of New South Wales

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# Australian/New Zealand Standard™

## Particleboard flooring

### Part 1: Specifications

Originated as part of AS O115—1968.  
Previous edition AS/NZS 1859.1:1997.  
Jointly revised and redesignated in part as AS/NZS 1860.1:2002.  
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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-005, Reconstituted Timber Panel Products, to supersede, in part, [AS/NZS 1859.1:1997](#), *Reconstituted wood-based panels*, Part 1: *Particleboard*.

*This Standard incorporates Amendment No. 1 (May 2004) and No. 2 (February 2006). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

This Standard specifies performance requirements in manufacture and application of particleboard flooring, which were originally covered in [AS/NZS 1859.1:1997](#).

The objective of this revision is to integrate a Standard series that deals with particleboard flooring, as follows:

- [AS/NZS 1860](#) Particleboard flooring
- [AS/NZS 1860.1](#) Part 1: Specifications (this Standard)
- [AS 1860.2](#) Part 2: Installation (in course of preparation)

During the course of preparation of this Standard, consideration was given to research and testing information from resources in Australia, New Zealand and overseas.

The term ‘normative’ has been used in this Standard to define the application of the appendix to which it applies. A ‘normative’ appendix is an integral part of a Standard.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Australian/New Zealand Standard**  
**Particleboard flooring**


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**Part 1: Specifications**


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**1 SCOPE**

- A1 | This Standard specifies the product requirements for particleboard flooring, as classified in Clause 5.

**2 APPLICATION**

The requirements specified in this Standard relate to product properties of particleboard flooring, which is intended to be installed in accordance with [AS 1860](#).

**3 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

**AS**

[1860](#) Installation of particleboard flooring

**AS/NZS**

[1530](#) Methods for fire tests on building materials, components and structures

[1530.3](#) Part 3: Simultaneous determination of ignitability, flame propagation, heat release and smoke release

[1604](#) Specification for preservative treatment

[1604.2](#) Reconstituted wood-based products

- A2 | [4266](#) Reconstituted wood-based panels—Methods of test
- [4266.2](#) Method 2: Dimensions, squareness, flatness and edge straightness of whole panel
- [4266.3](#) Method 3: Moisture content
- [4266.4](#) Method 4: Density
- [4266.5](#) Method 5: Modulus of elasticity in bending and bending strength
- [4266.6](#) Method 6: Tensile strength perpendicular to the plane of the panel (internal bond strength)
- [4266.7](#) Method 7: Surface soundness
- [4266.8](#) Method 8: Swelling in thickness after immersion in water
- [4266.9](#) Method 9: Determination of thickness stability and glue bond quality
- [4266.10](#) Method 10: Wet bending strength after immersion in water at 70°C or boiling temperature
- [4266.12](#) Method 12: Determination of surface water absorption
- [4266.13](#) Method 13: Resistance to axial withdrawal of screws
- [4266.14](#) Method 14: Dimensional changes associated with changes in relative humidity
- [4266.16](#) Method 16: Formaldehyde emission—Desiccator method
- [4266.18](#) Method 18: Determination of efficacy of fungicide treatment

**AWPC**

Test Protocols for Assessment of Wood Preservative Treatment