

Australian/New Zealand Standard™

**Reconstituted wood-based panels—
Specifications**

Part 1: Particleboard



AS/NZS 1859.1:2017

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TM-011, Engineered Timber Products. It was approved on behalf of the Council of Standards Australia on 6 August 2017 and by the New Zealand Standards Approval Board on 6 September 2017.
This Standard was published on 27 October 2017.

The following are represented on Committee TM-011:

Australian Building Codes Board
Australian Forest Products Association
Australian Timber Importers Federation
Australian Wood Panels Association
Building Research Association of New Zealand
Engineered Wood Products Association of Australasia
Forest and Wood Products Australia
Furntech-AFRDI
Glued Laminated Timber Association of Australia
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This Standard was issued in draft form for comment as DR AS/NZS 1859.1:2016.

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Reconstituted wood-based panels— Specifications

Part 1: Particleboard

Originated as part of AS O115—1968.
Previous edition AS/NZS 1859.1(Int):2001.
Jointly revised and designated as AS/NZS 1859.1:2004.
This edition 2017.

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-011, Engineered Timber Products, to supersede AS/NZS 1859.1:2004.

The objective of this Standard is to specify performance requirements for the manufacture and application of particleboard.

This Standard is Part 1 of the AS/NZS 1859 series, dealing with reconstituted wood-based panel products, as follows:

AS/NZS

- 1859 Reconstituted wood-based panels—Specifications
- 1859.1 Part 1: Particleboard (this Standard)
- 1859.2 Part 2: Dry process fibreboard
- 1859.3 Part 3: Decorative overlaid wood panels
- 1859.4 Part 4: Wet process fibreboard

Requirements for particleboard flooring are specified in AS/NZS 1860 as follows:

AS/NZS

- 1860 Particleboard flooring
- 1860.1 Part 1: Specifications

AS 1860.2 Part 2: Installation

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

Australian/New Zealand Standard
Reconstituted wood-based panels—Specifications

Part 1: Particleboard

1 SCOPE

This Standard specifies the product requirements for particleboard for use under two service conditions—dry (STD) and moisture resistant (MR)—as described in Clause 5. It does not cover requirements for particleboard flooring (see Preface).

2 APPLICATION

The requirements specified in this Standard relate to product properties and are for the purpose of quality assessment.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

4707 Chain of custody for certified wood and forest products

AS/NZS

4063 Characterization of structural timber

4063.1 Part 1: Test methods

4063.2 Part 2: Determination of characteristic values

4266 Reconstituted wood-based panels—Methods of testing

4266.1 Part 1: Base panels

ISO

3340 Fibre building boards—Determination of sand content

4 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

4.1 Dry condition

Conditions characterized by a moisture content in the materials corresponding to those typically found in a well-ventilated temperate environment (temperatures generally less than 25°C and a relative humidity of the surrounding air exceeding 65% only for a few weeks per year).

4.2 Humid conditions

Conditions characterized by a moisture content in the materials corresponding to those typically found in a tropical environment (temperatures often in excess of 25°C and a relative humidity of the surrounding air regularly exceeding 85%), or where there is occasional risk of the particleboard getting wet.