

Australian/New Zealand Standard™

Reconstituted wood-based panels— Specifications

Part 2: Dry process fibreboard



AS/NZS 1859.2:2017

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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
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Part 2: Dry process fibreboard

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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 1859.2:2004, *Reconstituted wood-based panels—Specifications, Part 2: Dry-processed fibreboard*.

The objective of this Standard is to specify the product requirements for three types of dry process fibreboards—ultra-low density, low density, medium density—for use under two service conditions—dry (STD), moisture resistant (MR) and high performance (HP)—and as described in Clause 5.

This Standard is Part 2 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
- 1859.2 Part 2: Dry process fibreboard (this Standard)
- 1859.3 Part 3: Decorative overlaid wood panels
- 1859.4 Part 4: Wet process fibreboard

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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

Part 2: Dry process fibreboard

1 SCOPE

This Standard specifies the product requirements for three types of dry process fibreboards—ultra-low density, low density, medium density—for use under three service conditions—dry (STD), moisture resistant (MR) and high performance (HP)—and as described in Clause 5.

2 APPLICATION

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

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

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 Dry process fibreboard

Panel material with a nominal thickness of 1.5 mm or greater, manufactured from lignocellulosic fibres (derived from wood or other materials) with application of heat and pressure, the bond of which is derived from a synthetic adhesive added to the fibres and the panels are manufactured with a forming moisture content less than 20%.

4.3 High performance (HP)

For use in a structural or loadbearing application, which may be combined with humid conditions [see Clause 5(e)].