AS/NZS 1859.2:2017

Australian/New Zealand Standard™

Reconstituted wood-based panels—Specifications

Part 2: Dry process fibreboard

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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New Zealand Timber Industry Federation
Timber Design Society
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Wood Processors and Manufacturers Association of New Zealand

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This Standard was issued in draft form for comment as DR AS/NZS 1859.2:2016.

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Part 2: Dry process fibreboard

Originated as part of AS O115—1968.
Previous edition AS/NZS 1859.2(Int):2001.
Jointly revised and designated as AS/NZS 1859.2:2004.
This edition 2017.

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, PO Box 1473, Wellington 6140.

ISBN 978 1 76035 933 1

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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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)].