

Australian/New Zealand Standard™

Reconstituted wood-based panels— Specifications

Part 2: Dry-processed fibreboard



AS/NZS 1859.2:2004

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 12 January 2004 and on behalf of the Council of Standards New Zealand on 27 November 2003.

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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

Additional Interests:

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Part 2: Dry-processed fibreboard

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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 AS/NZS 1859.2(Int):2001.

This Standard incorporates Amendment No. 1 (February 2006) and No. 2 (April 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.

The objectives of this revision are—

- (a) to incorporate the requirements for wood-based panel products harmonized between the wood panel industries in Japan, Australia and New Zealand (JANS 22), as an Joint Australian/New Zealand Standard; and
- (b) to propose these requirements for adoption as an ISO Standard.

JANS 22 was prepared with the agreement of the wood panel industries in Japan, Australia and New Zealand in an effort to harmonize the national Standards of the three countries. This was intended to reduce the non-tariff barrier to trade, and JANS 22 has now been proposed to the International Standardization Organization (ISO) to be adopted as an ISO Standard.

This Standard specifies performance requirements for the manufacture and application of dry-processed fibreboard, including ultra low density, low-density, medium-density and high-density fibreboard.

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-processed fibreboard (this Standard)
- 1859.3 Part 3: Decorative overlaid wood panels
- 1859.4 Part 4: Wet-processed fibreboard

The 1997 edition of AS/NZS 1859.5, Part 5: *Fibre insulating board (Insulation board)*, has been amalgamated into AS/NZS 1859.4, and will be withdrawn.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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

Part 2: Dry-processed fibreboard

1 SCOPE

This Standard specifies the product requirements for dry-processed fibreboards, including ultra low density, low density, medium density, and high density, as classified in Clause 5.

This Standard is equivalent to the industrial Standard harmonized between the wood panel industries in Japan, Australia and New Zealand, known as JANS 22.

2 APPLICATION

The requirements specified in this Standard relate to product properties and are for the purpose of quality control only. They are not the characteristic values for use in structural design calculations.

3 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

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
4266.5	Method 5: Modulus of elasticity in bending and bending strength
4266.6	Method 6: Tensile strength perpendicular to plane (internal bond strength)
4266.7	Method 7: Surface soundness
4266.8	Method 8: Swelling in thickness after immersion in water
4266.10	Method 10: Wet bending strength after immersion in water at 70°C or boiling temperature
4266.11	Method 11: Moisture resistance under cyclic test conditions
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

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120	Wood based panels—Determination of formaldehyde content—Extraction method (called perforator method)
326	Wood based panels — Sampling, cutting and inspection
326-2	Part 2: Quality control in the factory
622	Fibreboards—Specifications
622-1	Part 1: General requirements