

Australian/New Zealand Standard™

**Reconstituted wood-based panels—
Specifications**

Part 4: Wet-processed fibreboard

AS/NZS 1859.4:2004

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. It was published on 26 March 2004.

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™

Reconstituted wood-based panels— Specifications

Part 4: Wet-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 1859.4(Int):2001.

The objectives of this revision are—

- (a) to incorporate the requirements for wood-based panel products harmonized between the wood panel industries in Australia, Japan and New Zealand (JANS 23), as an Joint Australian/New Zealand Standard; and
- (b) to propose these requirements for adoption as an ISO Standard.

JANS 23 was prepared with the agreement of the wood panel industries in Australia, New Zealand and Japan 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 23 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 wet-processed fibreboard, including hardboard, medium board and softboard.

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

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AS/NZS 1859.5, Part 5: *Fibre insulating board (Insulation board)*, has been amalgamated into this Standard and will be withdrawn.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

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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Australian/New Zealand Standard
Reconstituted wood-based panels—Specifications**Part 4: Wet-processed fibreboard****1 SCOPE**

This Standard specifies the product requirements for wet-processed fibreboards, including hardboard, medium board and softboard, 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 23.

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

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|---------|---|
| 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 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 |
| 4266.14 | Method 14: Dimensional changes associated with changes in relative humidity |

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| 326 | Wood-based panels—Sampling, cutting and inspection |
| 326-2 | Part 2: Quality control in the factory |

4 DEFINITIONS

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

4.1 Decorative board

Board with one or both surfaces having bonded films, papers, cloths, any coatings, paints, or printing, or any embossed or grooved patterns.