

Australian/New Zealand Standard™

**Reconstituted wood-based panels—  
Methods of testing**

**Part 2: Decorative overlaid panels**



## **AS/NZS 4266.2:2017**

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 7 September 2017 and by the New Zealand Standards Approval Board on 4 October 2017.

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The following are represented on Committee TM-011:

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Australian Wood Panels Association  
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Engineered Wood Products Association of Australasia  
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*This Standard was issued in draft form for comment as DR AS/NZS 4266.2:2016.*

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# Australian/New Zealand Standard™

## Reconstituted wood-based panels— Methods of testing

### Part 2: Decorative overlaid panels

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-011, Engineered Timber Products.

This Standard supersedes the following Methods from the AS/NZS 4266 series (2004) *Reconstituted wood-based panels—Methods of Test*:

Method 19: Assessing appearance of melamine overlaid panels

Method 20: Resistance to surface abrasion (Taber abrasion test)

Method 21: Over-cure or under-cure of resin

Method 22: Porosity of laminated surface

Method 23: Resistance to steam

Method 24: Resistance to cracking

Method 25: Resistance to staining

Method 26: Resistance to dry heat

Method 27: Resistance to impact

Method 28: Bond strength of PVC films

Method 29: Heat resistance of PVC films

Method 30: Moisture resistance of finished foils

Method 31: Adhesion of paper foils by the crosscut test

Method 32: Veneer bond strength

Method 33: Veneer bond durability

The objectives of the revision of this series of test methods are—

- (a) to update test methods for reconstituted wood-based panels after 10 years; and
- (b) to consolidate many separate test method Standards into one document.

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
**Reconstituted wood-based panels—Methods of testing**

**Part 2: Decorative overlaid panels**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard covers methods of test for properties relating to decorative overlaid reconstituted wood panels. Decorative overlays are low pressure melamine, PVC film, decorative foils and wood veneer.

Panels that may be overlaid are specified by the following Standards:

- (a) AS/NZS 1859.1, *Reconstituted wood-based panels—Specifications, Part 1: Particleboard.*
- (b) AS/NZS 1859.2, *Reconstituted wood-based panels—Specifications, Part 2: Dry process fibreboard.*
- (c) AS/NZS 1859.4, *Reconstituted wood-based panels—Specifications, Part 4: Wet process fibreboard.*

**1.2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

## AS/NZS

- 1859 Reconstituted wood-based panels—Specifications
- 1859.3 Part 3: Decorative overlaid wood panels
- 2924 High pressure decorative laminates—Sheets made from thermosetting resins
- 2924.2 Part 2: Determination of properties
- 4266 Reconstituted wood-based panels—Methods of test
- 4266.1 Method 1: Sampling, cutting, and conditioning of test pieces

## ISO

- 48 Rubber, vulcanized or thermoplastic—Determination of hardness (hardness between 10 IRHD and 100 IRHD)

**1.3 TEST EQUIPMENT**

Basic measuring equipment is specified in AS/NZS 4266.1. Any special equipment is specified in each section of this Standard where relevant.

**1.4 SAMPLING**

The specific tests covered in this Standard (Sections 3 to 14) are only required if there is a change in overlay materials. From each sample panel, one test piece for each overlaid surface is required for each test.