

Australian/New Zealand Standard™

Plywood—Structural

**Part 1: Determination of structural
properties—Test methods**



AS/NZS 2269.1:2008

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee TM-008, Plywood Timber Products. It was approved on behalf of the Council of Standards Australia on 18 June 2008 and on behalf of the Council of Standards New Zealand on 4 July 2008.

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The following are represented on Committee TM-008:

Australian Building Codes Board
Building Research Association of New Zealand
Engineered Wood Products Association of Australasia
Engineers Australia
Forests NSW
New Zealand Plywood Manufacturers Association
Scion
Timber Development Association (NSW)

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Plywood—Structural

Part 1: Determination of structural properties—Test methods

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-008, Plywood Timber Products, to supersede AS/NZS 2098.9:1995, *Methods of test for veneer and plywood, Method 9: Procedures for in-grade testing of structural plywood*.

The objective of this Standard is to provide test methods to determine the structural properties of structural plywood.

This Standard specifies test methods only. Characteristic structural properties will be determined using the test results generated by the test methods specified in this Standard and processed through the methods specified in the companion Standard AS/NZS 2269.2, *Determination of structural properties—Evaluation methods* and AS/NZS 4063, *Timber—Stress-graded—In-grade strength and stiffness evaluation*.

The objectives of this revision are as follows:

- (a) Update and reconfirm the content of AS/NZS 2098.9:1996.
- (b) Integrate this Standard into, and form Part 1 of the AS/NZS 2269 series, *Plywood—Structural*, which is comprised of the following parts:

AS/NZS

2269 Plywood—Structural

2269.0 Part 0: Specifications (Revision of AS/NZS 2269:2004)

2269.1 Part 1: Determination of structural properties—Test methods (this Standard)

2269.2 Part 2: Determination of structural properties—Evaluation methods

Notes to the text contain information and guidance. They are not an integral part of the Standard.

Statements expressed in mandatory terms in notes to figures are deemed to be requirements of this Standard.

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
Plywood—Structural

Part 1: Determination of structural properties—Test methods

1 SCOPE

This Standard specifies test methods for evaluating the mechanical properties of structural plywood in both panel dimensions, that is, parallel to and perpendicular to the grain of the face veneer.

The test methods described are intended to simulate in-service conditions for plywood.

2 NORMATIVE REFERENCES

The following documents are indispensable to the application of this Standard:

AS/NZS

- 2097 Methods for sampling veneer and plywood
- 2098 Methods of test for veneer and plywood
- 2098.1 Method 1: Moisture content of veneer and plywood
- 2098.4 Method 4: Measurement of dimensions and shape for sheets of veneer and plywood
- 2098.7 Method 7: Density of veneer and plywood
- 2269 Plywood—Structural
- 2269.0 Part 0: Specifications
- 2269.2 Part 2: Determination of structural properties—Evaluation methods
- 4063 Timber—Stress-graded—In-grade strength and stiffness evaluation
- 4491 Timber—Glossary of terms in timber-related Standards

AS/NZS/ISO

- 9000 Quality management system—Fundamentals and vocabulary

3 DEFINITIONS

For the purpose of this Standard the definitions in AS/NZS 4491, AS/NZS ISO 9000 and the one below apply.

3.1 Parallel plies

Plywood plies in which the grain direction is parallel to the direction of the span.

4 NOTATION

Except where specifically defined in a particular clause, the notation and quantity symbols listed in Appendix A apply.

5 SAMPLING PROCEDURES AND TEST CONDITIONS**5.1 Sampling of panels**

The plywood sheets that are taken from the mill run shall be sampled in accordance with AS/NZS 2097.