

Australian/New Zealand Standard™

**Structural laminated veneer lumber**

**Part 1: Method of test for measurement  
of dimensions and shape**



## **AS/NZS 4357.1:2005**

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 26 April 2005 and on behalf of the Council of Standards New Zealand on 6 May 2005. This Standard was published on 8 August 2005.

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The following are represented on Committee TM-008:

Australian Building Codes Board  
CSIRO Forestry and Forest Products  
Engineers Australia  
Forests NSW  
Housing Industry Association  
New Zealand Forest Research  
New Zealand Plywood Manufacturers Association  
Plywood Association of Australasia  
Timber Development Association (NSW)

Additional Interests:

Mr Kevin Lyngcoln

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**RECONFIRMATION**

**OF**

**AS/NZS 4357.1:2005**

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Technical Committee TM-011 has reviewed the content of this publication and in accordance with Standards Australia procedures for reconfirmation, it has been determined that the publication is still valid and does not require change.

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## NOTES

Australian/New Zealand Standard™

## **Structural laminated veneer lumber**

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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 2098.10](#), *Methods of test for veneer and plywood, Method 10: Measurement of dimensions and shape for structural Laminated Veneer Lumber*.

The objective of this Standard is to provide a test method for measurement of dimensions and shape for structural laminated veneer lumber (LVL).

This Standard was originally Method 10 of the [AS/NZS 2098](#) series, and is now part of the [AS/NZS 4357](#) series, *Structural laminated veneer lumber*, which comprises the following parts:

### [AS/NZS](#)

[4357](#) Structural laminated veneer lumber

[4357.0](#) Part 0: Specifications (revision of [AS/NZS 4357:1995](#), *Structural Laminated Veneer Lumber*)

[4357.1](#) Part 1: Method of test for measurement of dimensions and shape (this Standard)

[4357.4](#) Part 4: Determination of formaldehyde emission

Other companion Standards in preparation are as follows:

Part 2: Determination of structural properties—Test methods

Part 3: Determination of Structural Properties—Evaluation methods

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

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**Part 1: Method of test for measurement of dimensions and shape**

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**1 SCOPE**

This Standard sets out the method for determining the thickness, length, width, spring, bow, twist and section squareness of test pieces of structural laminated veneer lumber (LVL).

**2 REFERENCED DOCUMENTS**

The following documents are referred to in this Standard:

AS/NZS

2098 Methods of test for veneer and plywood

2098.1 Method 1: Moisture content of veneer and plywood

4491 Timber—Glossary of terms in timber-related Standards

ISO 8402 Quality management and quality assurance—Vocabulary

**3 DEFINITIONS**

For the purpose of this Standard the definitions in [AS/NZS 4491](#) and [AS/NZS ISO 8402](#) apply.

**4 MOISTURE CONTENT FOR ACCEPTANCE TESTING**

To meet the requirements of this Standard the test pieces shall have a moisture content of 8% to 15%. The moisture content shall be determined in accordance with [AS/NZS 2098.1](#).

**5 APPARATUS****5.1 For determination of thickness**

A suitable linear measuring instrument, i.e., a screw micrometer, vernier callipers or a dial gauge, having flat and parallel measuring surfaces with a contact area between 30 mm<sup>2</sup> and 250 mm<sup>2</sup> with a reading to an accuracy of 0.1 mm.

**5.2 For determination of length and width**

A suitable linear measuring instrument with a reading to an accuracy of 0.5 mm.

**5.3 For determination of spring**

The following is required:

- (a) At least two thumb tacks or a stapling gun and staples.
- (b) Two blocks with flat surfaces, for which the difference in thickness does not exceed 0.1 mm.

NOTE: Blocks of 30 mm × 15 mm × 20 mm have been found suitable.

- (c) Strong thin wire or cord.
- (d) A suitable linear measuring instrument with a reading to an accuracy of 0.5 mm.