

AS/NZS 2754.1(Int):2008  
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AS/NZS 2754.1(Int):2008

Interim  
Australian/New Zealand Standard™

**Adhesives for timber and timber  
products**

**Part 1: Adhesives for manufacture of  
plywood and laminated veneer lumber  
(LVL)**



### **AS/NZS 2754.1(Int):2008**

This Joint Interim 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 10 October 2008 and on behalf of the Council of Standards New Zealand on 17 October 2008. This Interim Standard was published on 31 December 2008.

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The following are represented on Committee TM-008:

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

Additional Interests:

Mr Kevin Lyngcoln

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## PREFACE

This Interim Australian/New Zealand Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-008, Plywood Timber Products.

The objectives of this Interim Standard are to—

- (a) provide the specifications for adhesives suitable for use in the plywood and laminated veneer lumber (LVL) manufacturing industry;
- (b) incorporate the technical content of AS 2754.1—1985, *Adhesives for timber and timber products*, Part 1: *Adhesives for plywood manufacture*;
- (c) include non-formaldehyde-based adhesives for use in non-structural, interior applications; and
- (d) develop the document as a Joint Australian/New Zealand Standard.

This Standard is prepared as an Interim Standard awaiting the outcome of a major research project on new generation adhesives durability currently in progress.

Standards Australia and Standards New Zealand invite comment on this Interim Australian/New Zealand Standard from persons or organizations concerned with the subject. The date of expiry of comment is two years from the date of publication, at which time (or earlier) this Interim Australian/New Zealand Standard will be either withdrawn or revised in the light of comments received.

Attention is drawn to the fact that this document is an Interim Standard only, and should be regarded as a developmental Standard and liable to alteration after the expiry date.

The terms ‘normative’ and ‘informative’ have been used in this Interim 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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**Adhesives for timber and timber products**

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**1 SCOPE**

This Interim Standard specifies requirements for adhesives suitable for use in the plywood and laminated veneer lumber (LVL) manufacturing industry, the criterion for suitability being the ability of an adhesive to produce bonded plywood and LVL products of defined types quality and durability under a range of exposure conditions and structural and non-structural conditions.

Table 1 provides details of the relationship between the standardized bond types A, B, C and D, the adhesive chemical type required for the bond type and the service conditions applicable to the four bond types. Pre-treatment requirements for each bond type are also specified in Table 1. The Interim Standard does not specify the bond test methods which are detailed in AS/NZS 2098.2. Test requirements for pH, non-volatile solids content, viscosity, gelation time and bond quality are also specified in the Interim Standard.

**2 NORMATIVE REFERENCES**

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

NOTE: Documents referenced for informative purposes are listed in the Bibliography.

**AS**

2162 Verification and use of volumetric apparatus

2162.1 Part 1: General—Volumetric glassware

2244 Laboratory glassware—Test tubes

**AS/NZS**

2098 Methods of test for veneer and plywood

2098.2 Part 2: Bond quality of plywood (chisel test)

2245 Laboratory glassware—Filter funnels

4491 Timber—Glossary of terms in timber-related Standards

**ASTM**

D5895 Standard test methods for evaluating drying or curing during film formation of organic coatings using mechanical recorders

**BS**

1647 pH measurement—Specification for pH scale (all Parts)

3145 Specification for laboratory pH meters

**ISO**

3696 Water for analytical laboratory use—Specification and test methods