

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION
OF
AS/NZS 2098.5:2006
Methods of test for veneer and plywood
Method 5: Resistance of gluelines in plywood to attack by micro-organisms

RECONFIRMATION NOTICE

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.

Certain documents referenced in the publication may have been amended since the original date of publication. Users are advised to ensure that they are using the latest versions of such documents as appropriate, unless advised otherwise in this Reconfirmation Notice.

Approved for reconfirmation in accordance with Standards Australia procedures for reconfirmation on 27 April 2016.

Approved for reconfirmation in New Zealand on behalf of the Standards Council of New Zealand on 18 May 2016.

The following are represented on Technical Committee TM-011:

Australian Building Codes Board
Australian Forest Products Association
Australian Timber Importers Federation
Australian Wood Panels Association
Building Research Association of New Zealand
Engineered Wood Products Association of Australasia
Forest and Wood Products Australia
Furntech-AFRDI
Glued Laminated Timber Association of Australia
Master Builders Australia
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New Zealand Plywood Manufacturers Association
New Zealand Timber Industry Federation
Timber Design Society
Wood Processors & Manufacturers Association of New Zealand

NOTES

Australian/New Zealand Standard™

Methods of test for veneer and plywood

Method 5: Resistance of gluelines in plywood to attack by micro-organisms

1 SCOPE

This Standard sets out the method for determining the resistance of gluelines in plywood to attack by micro-organisms.

NOTE: This method is applicable to a range of adhesives including phenolic, ammonio-plastic and casein or other adhesives containing biodegradable constituents (e.g., wheat flour, protein).

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

2098 Methods of test for veneer and plywoods

2098.2 Part 2: Bond quality of plywood and laminated veneer lumber (chisel test)

4491 Timber—Glossary of terms in timber-related Standards

ISO 9000 Quality management systems—Fundamentals and vocabulary

3 DEFINITIONS

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

4 PRINCIPLE

The test pieces of plywood are incubated for approximately 6 weeks with moist sawdust to which a nutrient and some garden loam have been added. The bond of the incubated test pieces is then compared with that of non-incubated (control) test pieces.

5 APPARATUS AND MATERIALS

The following apparatus and materials are required:

- (a) A dish, flat and rectangular made of corrosion-resistant material such as stainless steel, enamelled iron, glass or porcelain and of sufficient size to hold the test pieces.
NOTE: A photographic developing dish is suitable.
- (b) A glass plate to cover the dish.
- (c) An incubator capable of maintaining a temperature of $25 \pm 1^\circ\text{C}$.
- (d) Apparatus for the chisel test as listed in AS/NZS 2098.2.
- (e) Nutrient solution of 2% glucose and 0.2% peptone or 0.2% ammonium nitrate in tap water.
- (f) Sawdust from sapwood of a *Pinus*, *Araucaria* or *Agathis* species in its natural condition. It shall be capable of absorbing three times its oven-dried mass of water without appearing wet (see Clause 7(a)).