STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

RECONFIRMATION

OF

AS/NZS 2098.8:2006

Methods of test for veneer and plywood

Method 8: Water absorption and thickness swelling of unpainted plywood

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
Monash University
New Zealand Plywood Manufacturers Association
New Zealand Timber Industry Federation
Timber Design Society
Wood Processors & Manufacturers Association of New Zealand

NOTES

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Reconfirmed 2016

Australian/New Zealand Standard™

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FOREWORD

Water absorption and thickness swelling of timber panel products are largely dependent on the species of timber. Determination for panels from random mixed species is therefore not informative. Because of this, the tests are mainly intended to establish specific species properties and the sample may have to be manufactured especially for the test. Sample production and selection is not covered by this method, but is assumed to follow standard plywood production procedure using an adhesive of sufficient water resistance to withstand the specified immersion.

Separate determination of edge and face absorption by painting the surfaces have been found unreliable because of cracking of paint films as a consequence of the swelling of the test pieces while being soaked. A differential mathematical approach has therefore been selected.

Acknowledgment is made of ASTM D1037, *Test methods for evaluating properties of wood-based fibre and particle panel materials*, on which this method of test is based.

METHOD

1 SCOPE

This Standard sets out the method for determining the water absorption, through the face and edge, of unpainted plywood, and the hygroscopic swelling resulting from the uptake of water.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS	
2098	
2098.1	Method 1: Moisture content of veneer and plywood
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.

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