

Australian/New Zealand Standard™

AS/NZS 4266.34

Reconstituted wood-based panels— Methods of test

Method 34: Surface absorption

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-005, Reconstituted Timber Panel Products, to supersede AS/NZS 4266.34(Int):2001.

This Standard is equivalent to the industrial Standard harmonized between the wood panel industries in Australia, Japan and New Zealand, known as JANS 14.

METHOD

1 SCOPE

This Standard specifies a method for determining the surface absorption of reconstituted wood-based panels.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS/NZS

4266 Reconstituted wood-based panels—Methods of test

4266.1 Method 1: Sampling, cutting, and conditioning of test pieces

4491 Timber—Glossary of terms in timber related Standards

ISO

835 Laboratory glassware—Graduated pipettes

835-2 Part 2: Pipettes for which no waiting time is specified

3 DEFINITIONS

For the purpose of this Standard, the definitions in AS/NZS 4491 and AS/NZS 4266.1 apply.

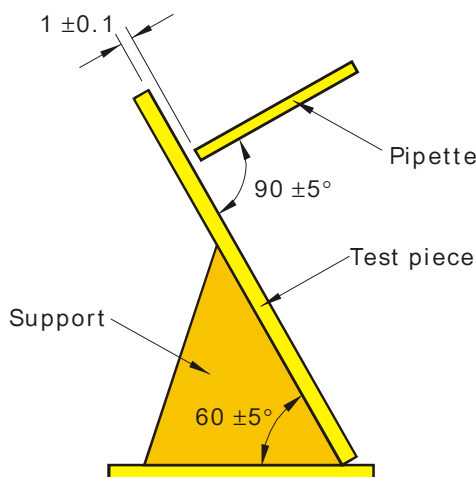
4 PRINCIPLE

The surface absorption of reconstituted wood-based panels is determined by letting a drop of toluene run down the surface of a test piece and measuring the length of the stain.

5 APPARATUS

5.1 Support

A support, against which the test piece can be leaned at an angle of $60 \pm 5^\circ$ (see Figure 1).



DIMENSIONS IN MILLIMETRES

FIGURE 1 EXAMPLE OF APPARATUS

5.2 Graduated pipette

Class A Type 2 graduated pipette in accordance with ISO 835-2 with a nominal capacity of 2 mL, and a rigid fixture to position the pipette.

5.3 Toluene

Toluene of analytical grade.

NOTE: Diesel of a specified grade (viscosity, boiling point range, etc.) may be used instead of toluene, provided both its use and its performance relative to toluene is noted in the test report.

5.4 Measuring tape

Steel measuring tape with a scale interval of 1 mm.

6 TEST PIECE

6.1 Sampling

Sampling and cutting of the test pieces shall be carried out in accordance with AS/NZS 4266.1. Three test pieces shall be taken from each board.

6.2 Dimensions

The dimensions of the test pieces shall be 300 ± 2 mm $\times$ 100 ± 2 mm $\times$ board thickness. The longer dimension shall be in the direction of sanding.

6.3 Conditioning

The test pieces shall be conditioned in accordance with AS/NZS 4266.1.