

Australian/New Zealand Standard™

Reconstituted wood-based panels—Methods of test

Method 25: Resistance to staining

AS/NZS 4266.25

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee TM-005, Reconstituted Timber Panel Products.

This Standard is a revision of AS/NZS 4266.25:1996, with updated referenced document information.

METHOD

1 SCOPE

This Standard sets out a method for assessing the resistance of decorative surfaces to staining by common household materials. It is applicable to all low-pressure melamine overlaid 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

3 DEFINITIONS

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

4 PRINCIPLE

Various staining agents are placed on the surface of the panel and the residual staining is determined visually after the staining agent is removed.

5 MATERIALS AND APPARATUS

5.1 Materials

The following staining agents are required:

- (a) *Beetroot juice.*
- (b) *Coffee.*
- (c) *Tomato sauce.*

- (d) *Black marking pen (water soluble ink).*
- (e) *Shoe polish.*

5.2 Apparatus

The following apparatus is required:

- (a) *Five 50 mm watch glasses.*
- (b) *Timer.*
- (c) *Absorbent cloth.*

6 TEST PIECES

Five test pieces which shall be 100 mm × 100 mm each.

7 PROCEDURE

The procedure shall be as follows:

- (a) Clean test piece surfaces, using methylated spirits if necessary.
- (b) Place a small quantity (2 to 3 drops) of the staining agents onto the surface of each test piece.
- (c) Immediately cover the agent with an inverted watch glass and leave for 16 h –0, +30 min.
- (d) Remove watch glasses and clean test piece surface in running water and dry with absorbent cloth and then wipe with ethyl alcohol.
- (e) Visually assess the surface using the following ratings:
 - (i) *Rating 1*—complete removal of staining agent from surface.
 - (ii) *Rating 2*—faint stain left on surface.
 - (iii) *Rating 3*—slight stain left on surface.
 - (iv) *Rating 4*—only partial removal of stain.
 - (v) *Rating 5*—no removal of the stain.

8 TEST REPORT

The test report shall contain the following:

- (a) Name and address of the testing laboratory.
- (b) Sampling report according to AS/NZS 4266.1.
- (c) Date of the test report.
- (d) Reference to this Standard, i.e., AS/NZS 4266.25.
- (e) Panel type and thickness.
- (f) Relevant product specification.
- (g) Surface treatment, if relevant.
- (h) Specific apparatus used, in case of different possibilities allowed in the Standard.
- (i) Test results as specified in Clause 7(e).
- (j) All deviations from this Standard.