

# Australian/New Zealand Standard™

## Reconstituted wood-based panels—Methods of test

### Method 31: Adhesion of paper foils by the crosscut test

#### 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 4266.31:1996, with updated referenced document information.

#### METHOD

##### 1 SCOPE

This Standard sets out a method for measuring the adhesion of decorative paper foils to wood-based panel substrates. It is applicable to reconstituted wood-based panels overlaid with a decorative paper foil.

##### 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

The quality of adhesion is determined by counting the number of pieces with paper foils removed.

## 5 APPARATUS

The following apparatus is required (see Figure 1):

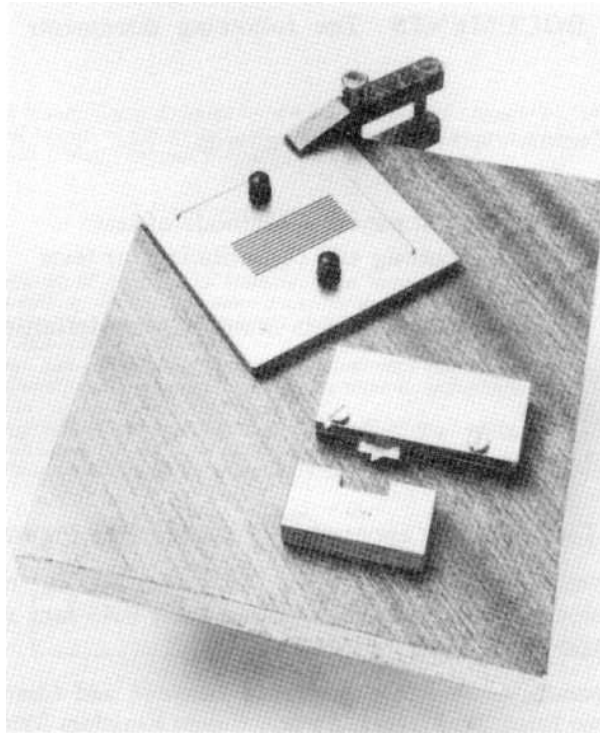


FIGURE 1 TYPICAL APPARATUS

- (a) *Crosscut equipment*—comprising a jig frame, cutting jig, blade and holder, and a blade setting block. The blade is of carbon steel 0.43 mm thick, such as a Stanley knife blade, Type 1991.

NOTE: The apparatus is available from H. A. Graydon and Company Limited, Melbourne House, Melbourne Road, Wallington, Surrey, United Kingdom SM6 8SG.

- (b) *Paintbrush*—25 mm wide.

## 6 TEST PIECES

The test piece shall be a minimum of 100 mm × 100 mm.

## 7 PROCEDURE

The procedure shall be as follows:

- (a) Clamp the cutting jig frame to the test piece.
- (b) Position the knife in the holder so that the blade penetrates into the surface of the substrate to a depth of  $0.3 \pm 0.05$  mm.
- (c) Cut a grid pattern of two sets of 11 lines at right angles into the surface using the knife and the template. The lines shall be 2 mm apart and about 50 mm long.
- (d) Remove the jig frame and cutting jig, brush the surface to remove any loose material, and inspect the test piece.