

Australian Standard™

**Methods of test for single sided and
double sided pressure-sensitive
adhesive tape**

Method 1.2: Adhesion—Quickstick



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Australian Paints Manufacturers' Federation
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PREFACE

This Standard was prepared by the Standards Australia Committee PK-025, Packaging Code to supersede AS 1635.3.3—1995, *Methods of test for pressure-sensitive adhesive tape, Part 3.3: Quickstick*.

The objective of this edition is to revise the apparatus and materials used in the procedure of the Standard.

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STANDARDS AUSTRALIA

Australian Standard

Methods of test for single sided and double sided pressure-sensitive adhesive tape

Method 1.2: Adhesion—Quickstick

1 SCOPE

This Standard specifies the method for determining quickstick of pressure-sensitive adhesive tape.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

2193 Calibration and classification of force-measuring systems

3 REAGENTS

3.1 Isopropynol

Reagent grade is required.

NOTE: Acetone, reagent grade, may also be used.

4 APPARATUS AND MATERIALS

The following apparatus and materials are required:

- (a) *Tension testing machine*—complying with the requirements of AS 2193 for Grade B machines over suitable load ranges, and having a moving jaw or carriage with a rate of travel of 300 ± 10 mm/min.
- (b) *Stainless steel panel*—approximately 50 mm wide, at least 125 mm long, and approximately 1.5 mm thick and finished in the lengthwise direction to a bright annealed finish with a surface finish of 0.04 mm.
- (c) *Quickstick test jig*—that causes the panel to move smoothly so that the adhesive tape is peeled at a constant 90 degree angle (see Figure 1).
- (d) *Specimen cutter*—consisting of a 25 mm thick \times 200 mm long \times 25 mm wide aluminium bar stock. The edges, for about 125 mm from one end, shall be rounded slightly to form a handle. The width of the bar, for 75 mm from the opposite end, shall be narrowed to exactly 25 mm minus the thickness of a single razor blade (one of two razor blades used as cutting edges). The razor blades shall be held in position using side plates. The end of the cutter shall be cut away at a 45° angle to expose the cutting edge at one end of the blades. The edges shall be separated by a distance of 25 ± 0.25 mm.

NOTE: Care should be taken when handling sharp edges.

- (e) These cleaning materials shall be lint free and contain no soluble additives—e.g. surgical gauze, untreated paper tissue.