

STANDARDS ASSOCIATION OF AUSTRALIA

**Australian Standard**  
**METHODS OF TEST FOR TEXTILE FLOOR COVERINGS**

**AS 2111.19.1**  
**COLOURFASTNESS TESTS—RUBBING**

PREFACE

This standard was prepared by the Association's Committee on Testing of Textiles as one of a series for determining the colourfastness of textiles and textile products to various agencies.

The series of methods is largely based on the work of a technical committee of the International Organization for Standardization (ISO/TC 38/SC 1) which is being adapted to suit Australian conditions.

In the preparation of this standard, particular account was taken of BS 1006-UK-TA 1978.

METHOD

**1 SCOPE.** This standard sets out a method for determining the colourfastness of textile floor coverings and pile yarns to dry and wet rubbing.

**2 APPLICATION.** This method applies to textile floor coverings and to yarns which are to be used in them. Tests can also be conducted on installed textile floor coverings in situ.

**3 REFERENCED DOCUMENTS.** The following standards are referred to in this standard:

- AS 2001.1 Methods of Test for Textiles Part 1—Conditioning Procedures\*
- AS 2001.4.1 Methods of Test for Textiles Part 4—Colourfastness Tests, Method 1—Definitions and General Requirements
- AS 2001.4.3 Methods of Test for Textiles Part 4—Colourfastness Tests, Method 3—Determination of Colourfastness to Rubbing.

**4 PRINCIPLE.** Specimens of the textile floor coverings or yarns are rubbed with a dry, undyed cotton cloth and with a wet, undyed cotton cloth. The staining of the cotton cloths is evaluated using the standard grey scale.

**5 APPARATUS.** The following items of apparatus are required:

- (a) Suitable testing device† consisting essentially of a cylindrical peg 25 mm diameter which can be moved back and forth over the test specimen which is clamped on a baseboard beneath the peg. The bottom of the peg shall be flat, without sharp edges and parallel to the baseboard. The

total vertical force of the peg on the test specimen shall be  $22 \pm 0.1$  N and the length of a single stroke of the peg shall be 100 mm.

- (b) Standard undyed cotton cloth‡ as used in evaluating staining, cut into 50 mm squares (see AS 2001.4.1).
- (c) Grey scales for assessing change in colour and staining, as specified in AS 2001.4.1.
- (d) Toothbrush.
- (e) Hand iron.

**6 SPECIMENS.**

**6.1 Textile Floor Covering.** If detached samples of textile floor coverings are to be tested, two pieces each measuring 200 mm × 80 mm are required for dry rubbing and two pieces for wet rubbing for each test.

One specimen of each pair shall have the long dimension parallel to the direction of manufacture, the other shall have the long dimension at right angles to the direction of manufacture.

**6.2 Pile Yarn.** When testing pile yarn, either knit a specimen of the yarn into fabric or form a layer of parallel lengths of yarn by wrapping it on a board former 200 mm × 80 mm so that one even layer of yarn is formed that completely covers the board in the test area.

**6.3 Textile Floor Covering In Situ.** Textile floor covering in situ shall be tested as specified in Clause 7(a).

\*Revision of AS 1090 in course of preparation—see DR 81331.  
†A suitable mechanical testing device may be obtained from Shirley Developments Ltd, P.O. Box 6, 856 Wilmslow Road, Didsburg, Manchester M20 8SA, England.  
‡It may be appropriate for certain end-users of fabric to use undyed cloths other than cotton. If this is done, the cloth used is to be stated in the report.