

Australian Standard™

Ceramic tiles—Products for installation

Part 2: Adhesives—Test methods

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This Australian Standard was prepared by Committee BD-044, Fixing of Ceramic Tiles. It was approved on behalf of the Council of Standards Australia on 28 March 2003. This Standard was published on 4 June 2003.

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Association of Consulting Engineers Australia
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Stone and Terrazzo Association
Australian Tile Council
CSIRO Manufacturing and Infrastructure Technology
Ceramic Tile Manufacturers Association
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Part 2: Adhesives—Test methods

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PREFACE

This Interim Standard was prepared by the Standard Australia Committee BD-044, Fixing of Ceramic Tiles.

This Standard incorporates Amendment No. 1 (July 2005). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Interim Standard is to provide methods for testing the compliance of ceramic tile adhesives.

This Interim Standard is based on ISO draft 13007 Part 2.

This Standard is Part 2 in a series of Standards on products for the installation of ceramic tiles, as follows:

AS

- 4992 Ceramic tiles—Products for installation
- 4992.1 Part 1: Adhesives—Definitions and specifications
- 4992.2 Part 2: Adhesives—Test methods (this Standard)

Other parts in preparation are as follows:

AS

- 4992.3 Part 3: Grouts—Definitions and specifications
- 4992.4 Part 4: Grouts—Test methods

Standards Australia invites comment on this Interim Australian Standard from persons and organizations concerned with the subject of the Standard. The expiry date of comment is 2 years from the date of publication, at which time this Standard will be confirmed, withdrawn or revised in the light of public comment received.

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 REFERENCED DOCUMENTS	4
3 GENERAL TEST CONDITIONS AND PROCEDURES	4
4 TEST METHODS	6
APPENDIX A CONCRETE TEST SLAB	32

Interim Australian Standard Ceramic tiles—Products for installation

Part 2: Adhesives—Test methods

1 SCOPE

This Standard sets out methods for determining characteristics for adhesives used in the installation of ceramic tiles, as follows:

- (a) Determination of open time.
- (b) Determination of slip.
- (c) Determination of shear adhesion strength.
- (d) Determination of tensile adhesion strength.
- (e) Determination of transverse deformation.
- (f) Determination of chemical resistance.

2 REFERENCED DOCUMENTS

AS	
2701	Methods of sampling and testing mortar for masonry constructions (all methods)
4662	Ceramic Tiles—Definitions, classification, characteristics and marking
4992	Ceramic tiles—Products for installation
4992.1 (Int)	Part 1: Adhesives—Definitions and specifications
ISO	
1512	Paints and varnishes — Sampling
1513	Examination and preparation of samples for testing

3 GENERAL TEST CONDITIONS AND PROCEDURES

3.1 Sampling

A representative sample of at least 2 kg shall be used.

3.2 Test conditions

Standard conditions shall be $23 \pm 2^\circ\text{C}$ and $50 \pm 5\%$ relative humidity and a circulation of air in the testing area less than 0.2 m/s. Other test conditions may be specified in Clause 4. The tolerance in the time of conditioning for all test specimens shall be as follows:

Conditioning	Tolerance, h
24 h	± 0.5
7 d	± 3
14 d	± 6
21 d	± 9
28 d	± 12

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