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Australian Standard®

Ceramic tiles—Grouts and adhesives

Part 2: Test methods for adhesives



This Australian Standard® was prepared by Committee BD-044, Fixing of Ceramic, Natural and Reconstituted Stone Tiles. It was approved on behalf of the Council of Standards Australia on 12 February 2013.
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The following are represented on Committee BD-044:

- Australian Ceramic Society
- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Stone Advisory Association
- Australian Tile Council
- Ceramic Tile Manufacturers Association of Australia
- CSIRO Manufacturing and Materials Technology
- Master Builders Australia
- Master Glazed Wall and Floor Tile Layers Association of SA
- Plastics and Chemicals Industries Association Incorporated
- Property Council of Australia
- Surface Coatings Association Australia
- TAFE NSW

Additional Interests:

- Mr Richard Bowman

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Australian Standard®

Ceramic tiles—Grouts and adhesives

Part 2: Test methods for adhesives

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PREFACE

This Standard was prepared by the Standards Australia Committee BD-044, Fixing of Ceramic, Natural and Reconstituted Stone Tiles to supersede AS 4992.2—2006, *Ceramic tiles—Grouts and adhesives*, Part 2: *Test methods for adhesives*.

The objective of this Standard is to specify methods for determining characteristics for adhesives used in the installation of ceramic tiles.

The objective of this revision is to adopt the current edition of ISO 13007-2.

This Standard is identical with, and has been reproduced from, ISO 13007-2:2010, *Ceramic tiles—Grouts and* adhesives, Part 2: *Test methods for adhesives*.

As this Standard is reproduced from an International Standard, the following applies:

(a) Its number appears on the cover and title page while the International Standard number appears only on the cover.

(b) In the source text 'this International Standard' should read 'this Australian Standard'.

(c) A full point substitutes for a comma when referring to a decimal marker.

References to International Standards should be replaced by references to Australian Standards, as follows:

Reference to International Standard		*Australian Standard*	
ISO		AS ISO	
13006	Ceramic tiles—Definitions, classification, characteristics and marking	13006	Ceramic tiles—Definitions, classification, characteristics and marking
13007	Ceramic tiles—Grouts and adhesives	13007	Ceramic tiles—Grouts and adhesives
13007-1	Part 1: Terms, definitions and specifications for adhesives	13007.1	Part 1: Terms, definitions and specifications for adhesives

Only international references that have been adopted as Australian Standards have been listed.

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AUSTRALIAN STANDARD

Ceramic tiles—Grouts and adhesives

Part 2:
Test methods for adhesives

1 Scope

This part of ISO 13007 describes methods for determining characteristics for adhesives used in the installation of ceramic tiles. The test methods described are the following:

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 Normative references

The following referenced documents are indispensable for the application of this part of ISO 13007. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 13006, *Ceramic tiles — Definitions, classification, characteristics and marking*

ISO 13007-1, *Ceramic tiles — Grouts and adhesives — Part 1: Terms, definitions and specifications for adhesives*

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 test conditions shall be (23 ± 2) °C and (50 ± 5) % relative humidity and the speed 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 shown in Table 1.

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