

Australian Standard[®]

Ceramic tiles—Grouts and adhesives

**Part 2: Test methods for adhesives
(ISO 13007-2:2005, MOD)**

STANDARDS
Australia



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 29 September 2006.

This Standard was published on 29 December 2006.

The following are represented on Committee BD-044:

- Association of Consulting Engineers Australia
 - Australian Chamber of Commerce and Industry
 - Australian Industry Group
 - Australian Stone Advisory Association
 - Australian Tile Council
 - Building Diagnostics
 - CSIRO Manufacturing and Infrastructure Technology
 - Ceramic Tile Manufacturers Association
 - Master Builders Australia
 - Master Tile Layers Association of SA
 - Opus International Consultants, New Zealand
 - Plastics and Chemical Industries Association
 - Stone Industry Association
 - TAFE NSW
-

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

Ceramic tiles—Grouts and adhesives

**Part 2: Test methods for adhesives
(ISO 13007-2:2005, MOD)**

Originally as AS 4992.2(Int)—2003.
Redesignated AS 4992.2—2006.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 7892 5

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(Int)—2004, *Ceramic tiles: Products for installation, Part 2: Adhesive: Test methods*.

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

This Standard is an adoption with national modifications and has been reproduced from ISO 13007-2:2005, *Ceramic tiles—Grouts and adhesives, Part 2: Test methods for adhesives*, and has been varied as indicated to take account of Australian conditions.

Variations to ISO 13007-2:2005 are given in Appendix ZA.

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

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) A full point should be substituted for a comma when referring to a decimal marker.
- (c) Any French text on figures should be ignored.
- (d) In the source text ‘this part of ISO 13007-1’ should read ‘this part of AS 4992.1 and ISO 13007-2 should read AS 4992.2’.
- (e) Replace reference to international standard with the following Australian Standard:

<i>Reference to International Standard</i>		<i>Australian Standard</i>	
ISO		AS	
13006	Ceramic tiles—Definitions, classification, characteristics and marking	4662	Ceramic tiles—Definitions, classification, characteristics and marking

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

AS	
4992	Ceramic tiles—Grouts and adhesives
4992.1	Part 1: Adhesives—Terms, definitions and specifications for adhesives
4992.2	Part 2: Test methods for adhesives
4992	Ceramic tiles—Products for installation
4992.3	Part 3: Grouts—Definitions and specifications
4992.4	Part 4: Grouts—Test methods

The term ‘informative’ is used to define the application of the annex to which it applies. An informative annex is only for information and guidance.

CONTENTS

	<i>Page</i>	
1	Scope	1
2	Normative references	1
3	General test conditions and procedures	1
3.1	Sampling	1
3.2	Test conditions	2
3.3	Test materials	2
3.4	Mixing procedures	2
3.5	Test substrate	3
3.6	Failure patterns	3
3.7	Test report	3
4	Test methods	4
4.1	Determination of open time	4
4.2	Determination of slip	6
4.3	Determination of shear adhesion strength (for D and R adhesives)	7
4.4	Determination of tensile adhesion strength (for C adhesives)	10
4.5	Determination of transverse deformation	13
4.6	Determination of chemical resistance	16
Annex A (informative)	Concrete Test Slab	35
Bibliography		39

Currently in preview, click buy full version

STANDARDS AUSTRALIA

Australian Standard

**Ceramic tiles—Grouts and adhesives—Part 2: Test methods for adhesives
(ISO 13007-2:2005, MOD)****1 Scope**

This part of ISO 13007 specifies methods for determining characteristics for adhesives used in the installation of ceramic tiles.

The following test methods are described:

- determination of open time (4.1);
- determination of slip (4.2);
- determination of shear adhesion strength (4.3);
- determination of tensile adhesion strength (4.4);
- determination of transverse deformation (4.5);
- determination of chemical resistance (4.6).

2 Normative references

The following referenced documents are indispensable for the application of this document. 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.