

Australian Standard™

Ceramic tiles: Products for installation

Part 4: Grouts: Test methods



**STANDARDS
AUSTRALIA**

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 8 October 2004.
This Standard was published on 2 December 2004.

The following are represented on Committee BD-044:

Association of Consulting Engineers, Australia
Australian Chamber of Commerce and Industry
Australian Industry Group
Australian Stone and Terrazzo Association
Australian Tile Council
Ceramic Tile Manufacturers Association
CSIRO Manufacturing and Infrastructure Technology
Master Builders Australia
Plastics and Chemical Industries Association
TAFE NSW

Keeping Standards up-to-date

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Web Shop at www.standards.org.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Global Standard*, has a full listing of revisions and amendments published each month.

Australian Standards™ and other products and services developed by Standards Australia are published and distributed under contract by SAI Global, which operates the Standards Web Shop.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

This Standard was issued in draft form for comment as DR 03353.

Australian Standard™

Ceramic tiles: Products for installation

Part 4: Grouts: Test methods

First published as AS 4992.4—2004.

COPYRIGHT

© Standards Australia International

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 International Ltd GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 6389 8

PREFACE

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

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

This Standard is based on ISO DIS 13007-4:2004 *Ceramic tiles—Grouts and adhesives Part 4: Test methods for grouts*.

This Standard is Part 4 of a series on 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 |
| 4992.3 | Part 3: Grouts—Definitions and specifications |
| 4992.4 | Part 4: Grouts—Test methods (this Standard) |

CONTENTS

	<i>Page</i>
1 SCOPE.....	4
2 NORMATIVE REFERENCES	4
3 GENERAL TEST CONDITIONS AND PROCEDURES	5
4 TEST METHODS.....	6
APPENDIX A APPARATUS.....	11

Currently in preview, click buy full version

STANDARDS AUSTRALIA

Australian Standard**Ceramic tiles: Products for installation****Part 4: Grouts: Test methods****1 SCOPE**

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

- (a) Determination of flexural and compressive strength..... Clause 4.1.
- (b) Determination of water absorption Clause 4.2.
- (c) Determination of shrinkage..... Clause 4.3.
- (d) Determination of resistance to abrasion Clause 4.4.
- (e) Determination of transverse deformation Clause 4.5.
- (f) Determination of chemical resistance Clause 4.6.

2 NORMATIVE REFERENCES

The following documents are referred to in this Standard:

AS

- 4992 Ceramic tiles—Products for installation
- 4992.2 Part 2: Adhesives: Test methods

ISO

- 630 Structural steels—Plate, wide flats, bars, sections and profiles
- 1101 Technical drawings—Geometrical tolerancing, tolerancing of form, orientation, location and runout, generalities, definitions, symbols, indications on drawings
- 1302 Geometrical products specification (GPS)—Indication of surface texture in technical product-documentation
- 4200 Plain end steel tubes, welded and seamless: general tables of dimensions and masses per unit length
- 6507 Metallic materials—Vickers hardness test
- 6507-1 Part 1: Test method
- 2486 Bonded abrasives—Determination of designation of grain size determination
- 8426-1 Part 1: Macrogrits F4 to F220
- 10545 Ceramic tiles
- 10545-6 Part 6: Products for installation