

Australian Standard™

**Ceramic tiles: Products for installation**

**Part 3: Grouts: Definitions and specifications**

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  
Association of Consulting Engineers Australia  
Ceramic Tile Manufacturers Association  
CSIRO Manufacturing and Infrastructure Technology  
Master Builders Australia  
Plastic and Chemicals 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 Standards may also be withdrawn.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](http://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](mailto: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 03352.*

Australian Standard™

**Ceramic tiles: Products for installation**

**Part 3: Grouts: Definitions and specifications**

First published as AS 4992.3—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 6388 X

## PREFACE

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

The objective of this Standard is to provide users with the terminology, concerning the products, working methods and application properties for ceramic tile grouts.

This Standard is based on ISO FDIS 13007-3:2004 *Ceramic tiles—Grout and adhesives Part 3: Definition and specifications for grout*.

This Standard is Part 3 of a series for ceramic tiles, as follows:

## AS

- |        |   |
|--------|---|
| 4992   | Ceramic tiles—Products for installation                       |
| 4492.1 | Part 1: Adhesives—Definitions and specifications              |
| 4992.2 | Part 2: Adhesives—Test methods                                |
| 4992.3 | Part 3: Grouts—Definitions and specifications (this Standard) |
| 4992.4 | Part 4: Grouts—Test methods                                   |

## CONTENTS

	<i>Page</i>
FOREWORD.....	4
1 SCOPE AND APPLICATION .....	5
2 NORMATIVE REFERENCES .....	5
3 DEFINITIONS AND TERMINOLOGY .....	5
4 SPECIFICATIONS .....	7
5 CLASSIFICATION AND DESIGNATION.....	9
6 MARKING AND LABELLING .....	9

Currently in preview, click buy full version

## FOREWORD

The characteristics of the construction products defined in this Standard have been developed to accommodate the stresses due to the structure for which they are intended. Some special characteristics will take into account the type of substrate and that the grout must resist the degrading actions of climate, etc.

Many properties of grouts for tiling are mainly determined by the type of binder used.

Tile grouts are defined in different types depending on the chemical nature of their binders. The different types have specific characteristics in terms of application properties and final performance.

The relationship between characteristics and the working conditions (dry or humid conditions, hot climate, fast setting, etc.) is not given in this Standard.

## STANDARDS AUSTRALIA

### Australian Standard Ceramic tiles: Products for installation

#### Part 3: Grouts: Definitions and specifications

## 1 SCOPE AND APPLICATION

This Standard specifies the values of performance requirements for all ceramic tile grouts, i.e., cementitious grouts (CG) and reaction resin grouts (RG) for internal and external tile installations on walls and floors. It also provides the terminology concerning products, working methods and application properties, etc., for ceramic tile grouts.

NOTE: Ceramic tile grouts may also be used for other types of tiles (natural and agglomerated stones, etc.), where these do not adversely affect the materials.

This Standard does not contain criteria or recommendations for the design and installation of ceramic tiles.

## 2 NORMATIVE REFERENCES

AS

- 4662 Ceramic tiles—Definitions, classification, characteristics and marking  
 4992 Ceramic tiles: Products for installation  
 4992.2 Part 2: Adhesives: Test methods  
 4992.3 Part 3: Grouts: Test methods

## 3 DEFINITIONS AND TERMINOLOGY

For the purpose of this Standard the definitions in AS 4662 and those below apply.

### 3.1 General

#### 3.1.1 Grouting a tile surface

The process of filling the joints between all types of tiles, with the exception of movement joints.

#### 3.1.2 Wall and floor tiles

Tiles made of ceramic or natural and agglomerated stones.

### 3.2 Products

#### 3.2.1 Cementitious grout (CG)

Mixture of hydraulic binding agents, aggregates, inorganic and organic additives.

NOTE: The grout has only to be mixed with water or liquid admix just before use.

#### 3.2.2 Liquid admix or latex additive

A special aqueous polymer dispersion to be mixed with a cementitious grout on site.

#### 3.2.3 Reaction resin grout (RG)

Mixture of synthetic resin, aggregates, inorganic and organic additives in which hardening occurs by chemical reaction. They are available in one or more component forms.