



Share your feedback
about this standard.
Scan the QR code on your
phone or click/ enter the
link to take the survey
feedback.standards.org.au/4586-2013

AS 4586—2013
(Incorporating Amendment No. 1)

AS 4586—2013



Slip resistance classification of new pedestrian surface materials

STANDARDS
Australia



This Australian Standard® was prepared by Committee BD-094, Slip Resistance of Flooring Surfaces. It was approved on behalf of the Council of Standards Australia on 16 May 2013. This Standard was published on 28 June 2013.

The following are represented on Committee BD-094:

- Accord Australasia
 - Association of Consultants in Access Australia
 - Australian Building Codes Board
 - Australian Institute for Non-Destructive Testing
 - Australian Institute of Architects
 - Australian Resilient Floorcovering Association
 - Australian Stone Advisory Association
 - Australian Tile Council
 - Building Service Contractors Association of Australia
 - Cement Concrete and Aggregates Australia
 - Concrete Masonry Association of Australia
 - CSIRO Manufacturing and Materials Technology
 - Engineers Australia
 - Housing Industry Association
 - Human Factors and Ergonomics Society of Australia
 - Insurance Council of Australia
 - Local Government and Shires Associations of New South Wales
 - Property Council of Australia
 - Safety Institute of Australia
 - Think Brick Australia
-

This Standard was issued in draft form for comment as DR AS 4586.

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 and through the public comment period.

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Standards may also be withdrawn.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.

AS 4586—2013
(Incorporating Amendment No. 1)

Australian Standard[®]

**Slip resistance classification of new
pedestrian surface materials**

First published as AS/NZS 3661.1:1993.
Revised and redesignated in part as AS/NZS 4586:1999.
AS/NZS 4586:1999 revised and redesignated AS 4586—2013.
Reissued incorporating Amendment No. 1 (June 2017).

COPYRIGHT

© Standards Australia Limited

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, unless otherwise permitted under the Copyright Act 1968.

ISBN 978 1 74342 520 6

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-094, Slip Resistance of Flooring Surfaces, to supersede AS/NZS 4586:2004, *Slip resistance classification of new pedestrian surface materials*.

This Standard incorporates Amendment No. 1 (June 2017). 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.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to provide users and specifiers of pedestrian surface materials (architects, engineers, ergonomists, facility managers, manufacturers and the like) with means for classifying such surfaces according to their pedestrian slip resistance for use in the selection of surfaces.

This revision incorporates an additional requirement for preparing rubber test sliders when testing smooth surfaces. Consequential changes to the nomenclature used for classifying surfaces have been included.

Appendix D will be subjected to revision in consideration of long-term availability of shoes.

This Standard provides a means of demonstrating compliance for the acceptance and rejection of new surfaces for nominated criteria.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

CONTENTS

	<i>Page</i>
FOREWORD.....	4
1 SCOPE.....	5
2 APPLICATION.....	5
3 NORMATIVE REFERENCES	6
4 DEFINITIONS.....	6
5 CLASSIFICATION OF SLIP RESISTANCE	8
APPENDICES	
A WET PENDULUM TEST METHOD	13
B DRY FLOOR FRICTION TEST METHOD	26
C WET-BAREFOOT INCLINING PLATFORM TEST METHOD	31
D OIL-WET INCLINING PLATFORM TEST METHOD	35
E DISPLACEMENT VOLUME TEST METHOD.....	42
F EXAMPLES OF DETERMINING SLOPE DESIGN VALUE (SDV) AND SLOPE CORRECTION VALUE (SCV).....	44

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-