

Australian/New Zealand Standard™

Protective clothing—Protection against chemicals—Determination of resistance of protective clothing materials to permeation by liquids and gases



AS/NZS ISO 6529:2006

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee SF-004, Occupational Protective Clothing. It was approved on behalf of the Council of Standards Australia on 3 February 2006 and on behalf of the Council of Standards New Zealand on 17 February 2006.
This Standard was published on 8 March 2006.

The following are represented on Committee SF-004:

Apparel & Textile Federation of NZ
Association of Accredited Certification Bodies
Australasian Fire Authorities Council
Australian Business Limited
Australian Chamber of Commerce and Industry
Australian Industry Group
AWTA Textile Testing
Certification Interests (Australia)
Council of Textile and Fashion Industries of Australia
Department of Consumer & Employment Protection, WorkSafe Division (WA)
Department of Defence (Australia)
Textile Clothing & Footwear Union of Australia
The Australasian Assembly of Volunteer Fire Brigades Associations
United Firefighters Union of Australia
University of Otago, New Zealand
University of Western Sydney

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 Standards may also be withdrawn.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 joint Australian/New Zealand Standards can be found by visiting the Standards Web Shop at www.standards.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

Alternatively, both organizations publish an annual printed Catalogue with full details of all current Standards. For more frequent listings or notification of revisions, amendments and withdrawals, Standards Australia and Standards New Zealand offer a number of update options. For information about these services, users should contact their respective national Standards organization.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Please address your comments to the Chief Executive of either Standards Australia or Standards New Zealand at the address shown on the back cover.

This Standard was issued in draft form for comment as DR 05561.

Australian/New Zealand Standard™

Protective clothing—Protection against chemicals—Determination of resistance of protective clothing materials to permeation by liquids and gases

Originated in Australia as part of AS 3765.1—1990.
Previous edition AS/NZS 4503.1:1997.
Part of AS 3765.1—1990 and AS/NZS 4503.1:1997 jointly revised and redesignated as AS/NZS ISO 6529:2006.

COPYRIGHT

© Standards Australia/Standards New Zealand

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.

Jointly published by Standards Australia, GPO Box 476, Sydney, NSW 2001 and Standards New Zealand, Private Bag 2439, Wellington 6020

ISBN 0 7337 7299 4

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee SF-004, Occupational Protective Clothing to supersede, in part, AS 3765.1—1990, *Clothing for protection against hazardous chemicals*, Part 1: *Protection against general or specific chemicals* and AS/NZS 4503.1:1997, *Protective clothing—Protection against liquid chemicals*, Part 1: *Test method: Resistance of materials to permeation by liquids*. It is identical with and has been reproduced from ISO 6529:2001, *Protective clothing—Protection against chemicals—Determination of resistance of protective clothing materials to permeation by liquids and gases*.

The objective of this Standard is to describe a laboratory test method to determine the resistance of materials used in protective clothing to permeation by liquid or gaseous chemicals under the conditions of either continuous or intermittent contact. The objective of this revision is to adopt the current edition of ISO 6529.

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

- (a) Its number appears on the cover and title page while the ISO standard number appears only on the cover
- (b) In the source text ‘this International Standard’ should read ‘this Australian/New Zealand 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 or Australian/New Zealand Standards, as follows:

<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS	
139	Textiles—Standard atmospheres for conditioning and testing	2001 2001.1	Methods of test for textiles Part 1: Conditioning procedures
2286	Rubber-or plastic-coated fabrics— Determination of roll characteristics	4878	Methods of test for coated fabrics
2286-2	Part 2: Methods for determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate	4878.3	Method 3: Determination of total mass per unit area, mass per unit area of coating and mass per unit area of substrate
2286-3	Part 3: Method for determination of thickness	4878.4	Method 4: Determination of thickness
3801	Textiles—Woven fabrics— Determination of mass per unit length and mass per unit area	2001 2001.2.13	Methods of test for textiles Method 2.13: Physical tests— Determination of mass per unit area and mass per unit length of fabrics
5084	Textiles—Determination of thickness of textiles and textile products	2001.2.15	Method 2.15: Physical tests— Determination of thickness of textile fabrics

In the course of considering adoption of this Standard, Committee SF-004 agreed that the reader's attention should be drawn to the following points:

- (i) The issues of estimating and recording uncertainty in measurement is not addressed in this Standard. Users are encouraged to refer to ‘*Guide to Expression of Uncertainty in Measurement*’ issued by BIPM, IEC, IFCC, ISO, IUPAC, IUPAP and OIML.

- (ii) Caution is urged as the differences between levels of performance are dependent on the precision of the measurement and may not accurately reflect conditions of end use.

The term 'informative' has been used in this Standard to define the application of the annex to which it applies. An 'informative' annex is only for information and guidance.

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](#)
-