Australian/New Zealand Standard™

Ophthalmic optics—Spectacle lenses—Vocabulary





AS/NZS ISO 13666:2011

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee MS-024, Spectacles. It was approved on behalf of the Council of Standards Australia on 17 March 2011 and on behalf of the Council of Standards New Zealand on 18 March 2011.

This Standard was published on 7 April 2011.

The following are represented on Committee MS-024:

Australian Dispensing Opticians Association
New Zealand Association of Optometrists
Optical Distributors and Manufacturers Association of Australia
Queensland University of Technology
The University of Melbourne
The University of New South Wales
University of Auckland

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 Standards may also be withdrawn.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.saiglobal.com.au or Standards New Zealand web site at www.standards.co.nz and looking up the relevant Standard in the on-line catalogue.

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 AS/NZS ISO 13666.

AS/NZS ISO 13666:2011

Australian/New Zealand Standard™

Ophthalmic optics—Spectacle lenses—Vocabulary

First published as AS/NZS ISO 13666:2011.

COPYRIGHT

© Standards Australia Limited/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, unless otherwise permitted under the Copyright Act 1968 (Australia) or the Copyright Act 1994 (New Zealand).

Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee MS-024, Spectacles. This Standard replaces relevant text in AS 2228.1—1992, which is intended to be withdrawn by February 2012.

The objective of this Standard is to define basic terms relating to ophthalmic optics.

This Standard is identical with, and has been reproduced from ISO 13666:1998, Ophthalmic optics—Spectacle lenses—Vocabulary.

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

- (a) Its number appears on the cover and title page while the international 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:

Reference to International Standard		Australian/New Zealand Standard	
ISO		AS/NZS	ISO
8980	Ophthalmic optics—Uncut finished spectacle lenses		Ophthalmic optics—Uncut finished spectacle lenses
8980-3	Part 3: Transmittance specifications and test methods.		Part 3: Transmittance specifications and test methods

Only international references that have been adopted as Australian or Australian/New Zealand Standards have been listed.

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.

CONTENTS

		Page
1	Scope	1
2	Normative references	1
3	General	2
4	Terms relating to basic optics	3
5	Basic terms relating to spectacle lenses and fitting purposes	6
6	Terms relating to spectacle lens materials	13
7	Terms relating to lens surfaces	15
8	Terms relating to spectacle lenses	16
9	Terms relating to focal properties	22
10	Terms relating to prismatic properties	25
11	Terms relating to spherical-power lenses	27
12	Terms relating to astigmatic-power lenses	28
13	Terms relating to lenticular lenses	30
14	Terms relating to multifocal and progressive-power lenses.	31
15	Terms relating to transmission, reflection and coatings	40
	nex A: Spectral weighting functions d spectral distributions	47
An	nex B: Bibliography	53
Alp	ohabetical index	54



The is a new provider i arenade and chare publication at the limit below	This is a free preview.	Purchase the	entire publication	at the link below:
--	-------------------------	--------------	--------------------	--------------------

Product Page

- Dooking for additional Standards? Visit Intertek Inform Infostore
- Dearn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation