

Australian/New Zealand Standard™

**Ophthalmic optics—Uncut finished
spectacle lenses**

**Part 4: Specifications and test methods
for anti-reflective coatings**



AS/NZS ISO 8980.4:2011

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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

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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 This Standard replaces relevant text in AS 2228.1—1992, which is intended to be withdrawn by February 2012.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 specify optical and non optical requirements and test methods for anti-reflective coatings and spectacle lenses.

This Standard is identical with, and has been reproduced from ISO 8980-4:2000, *Ophthalmic optics—Uncut finished spectacle lenses—Part 4: Specifications and test methods for anti-reflective coatings*.

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 part of ISO 8980’ should read ‘this part of AS/NZS ISO 8980’.
- (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/NZS ISO	
8980-1	Ophthalmic optics—Uncut finished spectacle lenses	8980	Ophthalmic optics—Uncut finished spectacle lenses
8980-1	Part 1: Specifications for single-vision and multifocal lenses	8980.1	Part 1: Specifications for single-vision and multifocal lenses
8980-2	Part 2: Specifications for progressive power lenses	8980.2	Part 2: Specifications for progressive power lenses
8980-3	Part 3: Transmittance specifications and test methods	8980.3	Part 3: Transmittance specifications and test methods
13666	Ophthalmic optics—Spectacle lenses—Vocabulary	13666	Ophthalmic optics—Spectacle lenses—Vocabulary
14889	Ophthalmic optics—Spectacle lenses—Fundamental requirements for uncut finished lenses	14889	Ophthalmic optics—Spectacle lenses—Fundamental requirements for uncut finished lenses

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.

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AUSTRALIAN/NEW ZEALAND STANDARD

Ophthalmic optics — Uncut finished spectacle lenses —**Part 4:
Specifications and test methods for anti-reflective coatings****1 Scope**

This part of ISO 8980 specifies optical and non optical requirements and test methods for anti-reflective coatings on spectacle lenses.

This part of ISO 8980 does not deal with the following topics:

- transmittance and absorptance;
- the colour of the reflected light.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 8980. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 8980 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 8980-1:1996, *Ophthalmic optics — Uncut finished spectacle lenses — Part 1: Specifications for single-vision and multifocal lenses.*

ISO 8980-2:1996, *Ophthalmic optics — Uncut finished spectacle lenses — Part 2: Specifications for progressive power lenses.*

ISO 8980-3:1999, *Ophthalmic optics — Uncut finished spectacle lenses — Part 3: Transmittance specifications and test methods.*

ISO 13666:1998, *Ophthalmic optics — Spectacle lenses – Vocabulary.*

ISO 14889:1997, *Ophthalmic optics — Spectacle lenses — Fundamental requirements for uncut finished lenses.*

3 Terms and definitions

For the purposes of this part of ISO 8980, the terms and definitions given in ISO 13666:1998 and the following apply.

3.1**coated lens**

anti-reflective coated spectacle lens