

Australian/New Zealand Standard™

Safety glazing for land vehicles



AS/NZS 2080:2006

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee ME-055, Safety Glass for Land Transport. It was approved on behalf of the Council of Standards Australia on 14 August 2006 and on behalf of the Council of Standards New Zealand on 25 August 2006.

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The following are represented on Committee ME-055:

Australasian Railway Association
Australian Automobile Association
Australian Business Limited
Australian Chamber of Commerce and Industry
Australian Industry Group
Certification Bodies (Australia)
Commonwealth Department of Transport and Regional Services
Department of Defence (Australia)
Federal Chamber of Automotive Industries
Federation of Automotive Products Manufacturers
Glass Association of New Zealand
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee ME-055, Safety Glass for Land Transport to supersede AS/NZS 2080:1995 *Safety glass for land vehicles*.

In general, the performance requirements in this Standard are based on UNECE Reg. 43, *Uniform provisions concerning the approval of safety glazing materials*, with some significant differences. This Standard adopts the minimum 75% luminous transmittance requirements of ADR 8, through the primary vision area of windscreens of motor vehicles, except for railway vehicles, for which the minimum requirement is 70%. The luminous transmittance of all types of safety glass other than windscreens shall not be less than 70% except for—

- (a) those applications nominated in ADR 8, for which there is no minimum requirement; and
- (b) special applications such as rolling stock and armoured vehicles.

In this revision, the Committee agree to remove the uniformity test and the thickness specification for safety glass as these matters are covered by well-established industry practice.

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>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 REFERENCED DOCUMENTS	4
1.3 DEFINITIONS	5
1.4 TYPES OF LAMINATED SAFETY GLASS.....	6
1.5 LOCATION OF PRIMARY VISION AREA OF WINDSCREENS.....	6
1.6 OPTICAL, MECHANICAL AND OTHER REQUIREMENTS OF SAFETY GLASS	7
SECTION 2 MARKING	
2.1 GENERAL	8
2.2 TYPES OF SAFETY GLASS.....	8
SECTION 3 OPTICAL REQUIREMENTS	
3.1 SCOPE	9
3.2 REQUIREMENTS FOR WINDSCREENS.....	9
3.3 REQUIREMENTS FOR ALL TYPES OF SAFETY GLAZING OTHER THAN WINDSCREENS.....	9
SECTION 4 MECHANICAL REQUIREMENTS FOR TOUGHENED SAFETY GLASS	
4.1 SCOPE	10
4.2 FRAGMENTATION	10
4.3 SAFETY GLASS WITH WORKED SURFACE	10
4.4 SAFETY GLASS WITH INCLUDED ELEMENTS	10
SECTION 5 MECHANICAL AND OTHER REQUIREMENTS FOR LAMINATED SAFETY GLASS	
5.1 SCOPE	11
5.2 REQUIREMENTS FOR WINDSCREENS AND HIGH PERFORMANCE LAMINATES	11
5.3 REQUIREMENTS FOR STANDARD LAMINATES (GLASS OTHER THAN WINDSCREENS AND HIGH PERFORMANCE LAMINATES).....	12
5.4 SAFETY GLASS WITH INCLUDED ELEMENTS	12
APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	13
B TEST FOR SECONDARY IMAGE	15
C TEST FOR DISTORTION OF VISION	17
D TEST FOR LUMINOUS TRANSMITTANCE.....	21
E FRAGMENTATION TEST.....	23
F RADIATION (LIGHT STABILITY) TEST	25
G HIGH TEMPERATURE (BOIL) TEST.....	27
H FRACTURE AND ADHESION TEST.....	28
I IMPACT TEST.....	30

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements and includes methods of test for flat and curved toughened and laminated safety glazing for windscreens and other glazing for land vehicles.

This Standard applies to safety glazing materials intended for installation as windscreens or other panes, or as partitioning, on power-driven vehicles and their trailers, to the exclusion however of glass panes for lighting, light-signalling devices and instrument panels.

This Standard does not cover the installation of safety glazing materials.

NOTE: Advisory information on the assessment of compliance of all types of safety glass with this Standard is given in Appendix A.

1.2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS

1199	Sampling procedures for inspection by attributes
1199.0	Part 0: Introduction to the ISO 2859 attribute sampling system
1199.1	Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection

AS/NZS

ISO 9001	Quality management systems—Requirements
ISO 9004	Quality management systems—Guidelines for performance improvements

SANZ

HB18.28	Conformity assessment—Guidance on a third-party certification system for products
HB18	Guidelines for third-party certification and accreditation
HB18.28	Guide 28—General rules for a model third-party certification scheme for products

ADR*

Australian Design Rules for Motor Vehicles and Trailers

ADR 8 Safety Glazing Material

CIE

20 (TC-2.2)	Recommendations for the Integrated Irradiance and Spectral Distribution of Simulated Solar Radiation for Testing Purposes
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* This reference refers to the latest edition of the Design Rules as amended from time to time.