



Safety glazing for land vehicles



AS 2080:2019

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- Australasian Railway Association
- Australian Autoglass Industry Alliance
- Australian Industry Group
- Auto Glass Association
- Department of Infrastructure, Regional Development and Cities
- Department of Planning, Transport and Infrastructure, SA
- Federal Chamber of Automotive Industries
- Institute of Automotive Mechanical Engineers
- Insurance Council of Australia
- TAFE NSW
- Victorian Automobile Chamber of Commerce

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Preface

This Standard was prepared by the Standards Australia Committee ME-055, Safety Glass for Land Transport, to supersede AS/NZS 2080:2006, *Safety glazing for land vehicles*. 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.

In general, the performance requirements in this Standard conform to UN Reg. 43, *Uniform provisions concerning the approval of safety glazing materials*, with some significant differences. This Standard adopts the minimum 70 % luminous transmittance requirements of ADR 8/01, Safety Glazing Material, through the primary vision area of windscreens.

This Standard has been revised to align with the current Australian Design Rules. The terms “normative” and “informative” are used in Standards 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.

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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 conformance of all types of safety glass with this Standard is given in [Appendix A](#).

1.2 Normative references

There are no normative references in this document.

NOTE Documents for informative purposes are listed in the Bibliography.

1.3 Terms and definitions

For the purpose of this Standard, the definitions below apply.

1.3.1

acceptable quality level

AQL

quality level which corresponds to a relatively high probability of acceptance. It is the maximum percent defective or the maximum number of defects per one hundred items that, for purposes of sampling inspection, can be considered satisfactory as a process average

1.3.2

glass plastic

laminated glass having one layer of glass and one or more layers of plastic material with the plastic layer(s) on the inner face when the glazing is fitted on the vehicle

1.3.3

glazing

glass or plastics material for installation into vehicles

1.3.4

laminated safety glass

safety glass consisting of two or more layers of glass held together by one or more interlayers of plastics material; when none of the layers of glass of which it is composed has been treated it is called “ordinary laminated safety glass”; when at least one of the layers of glass of which it is composed has been specially treated to increase its mechanical strength and to condition its fragmentation after shattering it is called “treated laminated safety glass”

1.3.5

lot or batch

quantity of some commodity produced under conditions which are considered uniform

Note 1 to entry: Each lot or batch is assumed, as far as practicable, to consist of materials or items of a single type, grade, class, size, and composition, and to have been manufactured under essentially the same conditions at essentially the same time.