

AS 1288—2006
(Incorporating Amendment Nos 1, 2 and 3)
Reconfirmed 2016

AS 1288—2006



Glass in buildings—Selection and installation

STANDARDS
Australia



This Australian Standard® was prepared by Committee BD-007, Glazing and Fixing of Glass. It was approved on behalf of the Council of Standards Australia on 28 November 2005. This Standard was published on 16 January 2006.

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- Australian Chamber of Commerce and Industry
- Australian Glass and Glazing Association
- Australian Industry Group
- Australian Institute of Building Surveyors
- Australian Shop and Office Fitting Industry Association
- Australian Window Association
- Building Research Association of New Zealand
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- Master Builders Australia
- Monash University
- New Zealand Safety Glass Association
- University of New South Wales
- University of Sydney
- Window Association of New Zealand
- Window Film Association of Australia & New Zealand
- Window and Door Industry Council

Additional Interests:

- Leadlight, Decorative and Stained Glass Association
-

This Standard was issued in draft form for comment as DR 02145.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

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RECONFIRMATION

OF

AS 1288—2006

Glass in buildings—Selection and installation

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NOTES

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-007, Glazing and Fixing of Glass, to supersede AS 1288—1994.

This Standard incorporates Amendment No. 1 (January 2008), Amendment No. 2 (November 2011) and Amendment No 3 (February 2016). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.

The objective of this Standard is to provide uniform direction for the use and installation of glazing throughout Australia to allow its use in legislation, and to clarify technical definitions.

This Standard will be referenced in the Building Code of Australia 2006; thereby superseding AS 1288—1994, which will be withdrawn in 12 months from the date of publication of this Standard.

When revising this Standard, consideration was given to the existing human impact safety requirements of AS 1288—1994 and NZS 4223.3:1999 *Code of practice for glazing in buildings Part 3: Human impact safety requirements*, as well as BS 6262-4, *Glazing for buildings, Part 4: Safety related to human impact*.

There was also a need to recognize that accidents involving glass continued at a high rate and at a considerable cost to the community. With these factors in mind, changes were made that have resulted in the introduction of increased areas of safety glass and the reduction of areas of ordinary glass in locations where accidents are known to occur at greater frequency. The Standard has also been closely aligned with international practice by the adoption of selected criteria from international Standards.

The change to ultimate limit state design in the new wind code has necessitated the corresponding upgrading of the wind loading charts. The new charts are based on the increased ultimate limit state wind loads. The committee has taken this opportunity to improve the design charts to include basic criteria such as the influence of aspect ratio and slenderness factor. The charts are unique as they incorporate all relevant aspects that influence the performance of glass in the one chart for each glass type and thickness.

The most significant changes of this revision include the following:

- (a) Change from permissible design stresses for wind loading to Ultimate Limit State design.
- (b) New design charts for wind loading based on ULS and taking into consideration panel aspect ratio.
- (c) Introduction of new and increased areas of safety glass in locations subject to high risk of human impact.
- (d) New section on installation requirements for glass.
- (e) New sections and detailed specifications for overhead glazing, balustrades, faceted glazing and fin-supported glazing.

A2 | This Standard makes recommendations for design and installation practice based on proven
 A3 | techniques. Where materials or methods are used that are not covered in this Standard, or if
 alternative solutions are used, they must satisfy the relevant performance requirements of
 the NCC, determined and assessed in accordance with the NCC.

Notes to the text contain information and guidance. They are not an integral part of the Standard.

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.

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