

AS 2047—2014
(Incorporating Amendment Nos 1 and 2)

AS 2047—2014



Windows and external glazed doors in buildings



This Australian Standard® was prepared by Committee BD-021, Doors and Windows. It was approved on behalf of the Council of Standards Australia on 22 August 2014. This Standard was published on 23 September 2014.

The following are represented on Committee BD-021:

- Australasian Institute of Surface Finishing
 - Australian Building Codes Board
 - Australian Glass and Glazing Association
 - Australian Industry Group
 - Australian Institute of Building Surveyors
 - Australian Window Association
 - Building Research Association of New Zealand
 - CSIRO Materials Science and Engineering
 - Glass Association of New Zealand
 - Housing Industry Association
 - Master Builders Australia
 - Master Locksmiths Association of Australasia
 - National Association of Testing Authorities Australia
 - New Zealand Joinery Manufacturers Federation
 - Window and Door Industry Council
 - Window Association of New Zealand
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This Standard was issued in draft form for comment as DR AS 2047.

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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Australian Standard[®]

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-021, Doors and Windows, to supersede, AS 2047—1999, *Windows in buildings*. After allowing sufficient time for adjustment (nominally 12 months from publication), the superseded document will be withdrawn.

This Standard incorporates Amendment No. 1 (February 2016) and Amendment No. 2 (June 2017). 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.

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.

The objective of this Standard is to provide window designers and manufacturers with a generic requirement for windows in buildings, setting out the performance requirements and specifications in the design and manufacture of all windows, regardless of materials.

This edition differs from the previous edition as follows:

- (a) Hinged, pivot and bi-fold doors have been added to the scope of the Standard.
- (b) Wind pressures for housing, including cyclonic regions and corner conditions, have been updated to ensure alignment with AS 4055, *Wind loads for housing*.
- (c) The deflection/span ratio for housing and residential buildings has been changed to align with the new lower serviceability limit state wind pressures.
- (d) Additional guidance is given for the extrapolation of test results to larger size windows and the substitution of structural members and components.
- (e) Updated requirements for windows made from unplasticized PVC (uPVC).
- (f) The guide to wind pressures (Appendix A) has been revised to ensure alignment with AS 1170.2.
- (g) Appendix B (Environmental considerations) has been included to ensure alignment with current Standards.

In this Standard, statements expressed in mandatory terms in notes to tables and figures are deemed to be 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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