

Australian/New Zealand Standard[®]

Domestic garage doors

AS/NZS 4505:1998

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD/14, Metal Cladding. It was approved on behalf of the Council of Standards Australia on 3 October 1997 and on behalf of the Council of Standards New Zealand on 19 September 1997. It was published on 5 April 1998.

The following interests are represented on Committee BD/14:

Aluminium Development Council, Australia
Australian Institute of Building Surveyors
Building Officials Institute of New Zealand
Curtin University of Technology, W.A.
Housing Industry Association, Australia
James Cook University, Qld
Metal Building Products Manufacturers Association, Australia
Metal Roofing and Cladding Association of Australia
The Association of Consulting Engineers, Australia

Additional interests participating in preparation of this Standard:

Garage door manufacturers
Home builders

Review of Standards. To keep abreast of progress in industry, Joint Australian/New Zealand Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Joint Standards and related publications will be found in the Standards Australia and Standards New Zealand Catalogue of Publications; this information is supplemented each month by the magazines 'The Australian Standard' and 'Standards New Zealand', which subscribing members receive, and which give details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Joint Standards, addressed to the head office of either Standards Australia or Standards New Zealand, are welcomed. Notification of any inaccuracy or ambiguity found in a Joint Australian/New Zealand Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

AS/NZS 4505:1998

Australian/New Zealand Standard[®]

Domestic garage doors

First published as AS/NZS 4505:1998

PUBLISHED JOINTLY BY:

STANDARDS AUSTRALIA
1 The Crescent,
Homebush NSW 2140 Australia

STANDARDS NEW ZEALAND
Level 10, Radio New Zealand House,
155 The Terrace,
Wellington 6001 New Zealand

ISBN 0 7337 1549 4

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/14, Metal Cladding.

The objective of this Standard is to provide manufacturers of garage doors with specifications covering the construction and performance of garage doors for use in domestic applications. It addresses minimum performance requirements for manufacturing, installation and structural loads.

This Standard is written with reference to the wind classification system embodied in AS 4055 or NZS 3604, and it is bound by the limitations of the Standard as applicable. When designing doors from first principles or for doors outside the scope of this Standard, the following Standards can be used:

- (a) In Australia, AS 1170, *Minimum design loads on structures* (known as the *SAA Loading Code*), Part 2: *Wind loads*.
- (b) In New Zealand, NZS 4203, *Code of practice for general structural design and design loadings for buildings*.

The term 'informative' has been used in this Standard to define the application of the appendix to which it applies. An 'informative' appendix is only for information and guidance.

© Copyright – STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Users of Standards are reminded that copyright subsists in all Standards Australia and Standards New Zealand publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia or Standards New Zealand may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia or Standards New Zealand. Permission may be conditional on an appropriate royalty payment. Australian requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia. New Zealand requests should be directed to Standards New Zealand.

Up to 10 percent of the technical content pages of a Standard may be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia or Standards New Zealand.

Inclusion of copyright material in computer software programs is also permitted without royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia or Standards New Zealand at any time.

CONTENTS

	<i>Page</i>
1 SCOPE	4
2 REFERENCED DOCUMENTS	4
3 DEFINITIONS	5
4 MAINTENANCE	6
5 DURABILITY	6
6 GENERAL REQUIREMENTS	6
7 PERFORMANCE REQUIREMENTS	7
8 FASTENERS	10
9 HUMAN ENTRAPMENT	10
10 MARKING	10
11 INSTALLATION	11
 APPENDICES	
A MEANS FOR DEMONSTRATING COMPLIANCE WITH THIS STANDARD	12
B EXAMPLE OF A TYPICAL LABEL	14

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Domestic garage doors**

1 SCOPE This Standard specifies requirements for the design, construction, performance and installation of garage doors in domestic applications, and specifies the resultant loads imposed on structures onto which such garage doors are mounted.

NOTES:

- 1 A typical application would be for a private garage as defined by the Building Code of Australia or to housing as defined in the New Zealand Building Code.
- 2 Alternative methods for determining compliance with this Standard are given in Appendix A.

This Standard does not include drives for garage doors.

2 REFERENCED DOCUMENTS The following documents are referred to in this Standard.

AS

- | | |
|--------|--|
| 1170 | Minimum design loads on structures (known as the SAA Loading Code) |
| 1170.2 | Part 2: Wind loads |
| 1170.4 | Part 4: Earthquake loads |
| 1199 | Sampling procedures and tables for inspection by attributes |
| 1399 | Guide to AS 1199—Sampling procedures and tables for inspection by attributes |
| 4055 | Wind loads for housing |

AS/NZS

- | | |
|--------|---|
| 4504 | Domestic garage doors—Methods of test |
| 4504.1 | Method 1: Test sample and preparation for design wind pressure test |
| 4504.2 | Method 2: Design wind pressure test |
| 4504.3 | Method 3: Durability cycle test |

ISO 9000 Quality management and quality assurance standards

- | | |
|------------|--|
| ISO 9000.1 | Part 1: Guidelines for selection and use |
| ISO 9004 | Quality management and quality system elements |
| ISO 9004.1 | Part 1: Guidelines |

NZS

- | | |
|------|--|
| 3604 | Code of practice for light timber frame buildings not requiring specific design |
| 4203 | Code of practice for general structural design and design loadings for buildings |

SAA/SANZ

- | | |
|---------|--|
| HB18 | Guidelines for third-party certification and accreditation |
| HB18.28 | Guide 28—General rules for a model third-party certification scheme for products |

This is a free preview. Purchase the entire publication at the link below:

AS/NZS 4505 : 1998 : EN : COMBINED PDF

-
- ⏪ Looking for additional Standards? Visit SAI Global Infostore
 - ⏪ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-

Need to speak with a Customer Service Representative - Contact Us