

AS/NZS 4505:1998

Australian/New Zealand Standard<sup>®</sup>

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**Domestic garage doors**

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## AS/NZS 4505:1998

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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.

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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

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## 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.

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## 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**

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|--------|--|
| 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**

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|--------|---|
| 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

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| 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**

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| 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**

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



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