

Australian Standard™

**Components for the protection of
openings in fire-resistant walls**

Part 1: Fire-resistant doorsets



This Australian Standard was prepared by Committee FP-019, Passive Fire Protection. It was approved on behalf of the Council of Standards Australia on 7 July 2005.

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The following are represented on Committee FP-019:

Architectural Hardware Industry Association
Australasian Fire Authorities Council
Australian Building Codes Board
Australian Chamber of Commerce and Industry
Australian Industry Group
Building Research Association of New Zealand
CSIRO Manufacturing and Infrastructure Technology
Fire Protection Association Australia
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Components for the protection of openings in fire-resistant walls

Part 1: Fire-resistant doorsets

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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP-019, Passive Fire Protection, to supersede AS/NZS 1905.1:1997.

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 manufacturers, suppliers and installers with minimum requirements for the construction and installation of fire-resistant doorsets designed to protect the openings in walls and elements of construction that are required to resist the passage of fire.

Committee FP-019 is currently developing an additional option for testing door hardware and non-essential door seals, proposing that door hardware be assessed for use on generic types fire-resistant doorsets without the need for reference to proprietary types of doorsets. These changes will allow door hardware approvals to be gained independently of the doorset manufacturer, to facilitate a more cost effective and efficient method of assessment. It is anticipated that these changes will be introduced as an amendment within a year of publication of this Standard.

Requirements for standard configurations and permissible variations that do not require assessment have been moved from this Standard to AS 1530.4, *Methods for fire tests on building materials, components and structures*, Part 4: *Fire resistance test of elements of construction*, in line with the ISO 834, *Fire resistance tests—Elements of building construction* Standards. As such, the Standard is to be used in conjunction with the appropriate clauses of AS 1530.4.

The opportunity has also been taken to further refine this Standard, reduce ambiguity and provide clearer advice.

This Standard will be referenced in the Building Code of Australia (BCA) by way of BCA 2006 to be published by 1 May 2006, thereby superseding AS/NZS 1905.1:1997.

The requirements for maintenance of fire-resistant doorsets are covered in a separate Standard designated for that purpose, although reference is made in Section 6 of this Standard to maintenance record systems.

Statements expressed in mandatory terms in notes to tables and figures are deemed to be requirements of this Standard.

This Standard references documents in clauses of both a normative and informative nature. Normative referenced documents, are listed in Clause 1.3 and informative referenced documents are listed in the bibliography.

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.

This Standard incorporates a Commentary on some clauses. The Commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a panel. The Commentary is for information only and does not need to be followed for compliance with the Standard.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	4
1.2 APPLICATION	4
1.3 NORMATIVE REFERENCED DOCUMENTS	5
1.4 DEFINITIONS	5
SECTION 2 DESIGN REQUIREMENTS	
2.1 GENERAL	12
2.2 SIDE-HUNG DOORS, INCLUDING DOUBLE-ACTING DOORSETS	13
2.3 SLIDING DOORSETS	14
SECTION 3 DETERMINATION OF FIRE RESISTANCE.....	16
SECTION 4 VARIATIONS FROM THE TESTED SPECIMEN	
4.1 GENERAL	17
4.2 VARIATIONS PERMITTED SUBJECT TO A FORMAL OPINION.....	17
SECTION 5 INSTALLATION	
5.1 GENERAL	21
5.2 DOORSILLS	21
5.3 FIXING OF DOORFRAMES	21
5.4 ALLOWABLE VARIATIONS FOR FIXING OF DOORFRAMES.....	21
5.5 CLEARANCES	22
5.6 HARDWARE	23
5.7 FINAL CHECK	24
SECTION 6 MARKING AND OTHER DOCUMENTATION	
6.1 MARKING OF FIRE-RESISTANT DOORSETS	27
6.2 MARKING OF LATCHSETS AND CLOSERS	28
6.3 EVIDENCE	29
APPENDICES	
A PHYSICAL TESTING OF FIRE-RESISTANT DOORSETS.....	31
B INFORMATION TO BE SUPPLIED WITH ENQUIRIES AND ORDERS	34
C SUPPLEMENTARY NOTES ON THE SELECTION OF DOOR CLOSERS FOR FIRE-RESISTANT DOORSETS.....	37
D METHODS FOR FIXING FIRE-RESISTANT DOORFRAMES TO EXISTING WALLS OF CONCRETE OR MASONRY	38
E FIRE DOOR CERTIFICATE AND SCHEDULE OF EVIDENCE OF COMPLIANCE	42
BIBLIOGRAPHY	44

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