



A1

**Classification of external walls of buildings based on reaction-to-fire performance**

**STANDARDS**  
Australia

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This Australian Standard® was prepared by Committee FP-018, Fire Safety. It was approved on behalf of the Council of Standards Australia on 1 March 2016.  
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  - Australian Building Codes Board
  - Australian Industry Group
  - Australian Institute of Building
  - AWTA Textile Testing
  - Building Research Association of New Zealand
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This Standard was issued in draft form for comment as DR AS 5113:2015.

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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buildings based on reaction-to-fire  
performance**

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## PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee FP-018, Fire Safety.

*This Standard incorporates Amendment No. 1 (September 2018). 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.

A1 | The objective of this Standard is to provide procedures and criteria for the classification of external walls of buildings according to their tendency to limit the spread of fire via the external wall and between adjacent buildings and limit falling debris that could be hazardous to evacuating occupants and fire fighters.

Further information on the relationship of this standard with the National Construction Code is provided in Appendix A.

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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## STANDARDS AUSTRALIA

## Australian Standard

A1 | **Classification of external walls of buildings based on reaction-to-fire performance**

**1 SCOPE**

A1 | This Standard sets out the procedures and criteria for the classification of external walls of buildings according to their tendency to spread fire—

- (a) via the external wall;
- (b) between adjacent buildings;

and production of falling debris that could be hazardous to evacuating occupants and fire fighters.

This Standard is applicable to all external vertical or near vertical surfaces and covers all types of external wall systems, including façades, outer skins, core materials, cavities and attachments.

A1 | This Standard does not address the fire resistance and load bearing capacity of external walls, the fire hazard properties of internal surfaces or the impact of construction on the fire severity of a fire occurring within a building.

**2 NORMATIVE REFERENCES**

The following are the normative documents referenced in this Standard:

NOTE: The Bibliography in Appendix D provides details of documents that may be referred to for additional information.

## AS

1530 Methods for fire tests of building materials, components and structures

1530.4 Part 4: Fire-resistance tests of elements of construction

2484 Fire—Glossary of terms

2484.1 Part 1: Fire tests

## ISO

13785 Reaction-to-fire tests for façades

13785-2 Part 2: Large-scale test

13943 Fire safety—Vocabulary

## BS

8414 Fire performance of external cladding systems

8414-1 Part 1: Test method for non-loadbearing external cladding systems applied to the masonry face of a building

8414-2 Part 2: Test method for non-loadbearing external cladding systems fixed to and supported by a structural steel frame

Australian Building Codes Board

NCC National Construction Code