



Methods for fire tests on building materials, components and structures

Part 8.2: Tests on elements of construction for buildings exposed to simulated bushfire attack—Large flaming sources



This Australian Standard® was prepared by Committee FP-018, Fire Safety. It was approved on behalf of the Council of Standards Australia on 11 October 2018.
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The following are represented on Committee FP-018:

- Australasian Fire and Emergency Service Authorities Council
 - Australian Building Codes Board
 - Australian Industry Group
 - Australian Institute of Building
 - AWT Product Testing
 - Building Research Association of New Zealand
 - Bureau of Steel Manufacturers of Australia
 - CSIRO
 - Engineers Australia
 - Fire Protection Association Australia
 - Fire Protection Association New Zealand
 - Forest and Wood Products Australia
 - Insulated Panel Council Australasia
 - Insulation Australasia
 - Insurance Council of Australia
 - Plastics and Chemicals Industries Association
 - Property Council of Australia
 - Society of Fire Protection Engineers
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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[®]

**Methods for fire tests on building
materials, components and structures**

**Part 8.2: Tests on elements of
construction for buildings exposed to
simulated bushfire attack—Large
flaming sources**

Originated as AS 1530.8.2—2007.
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PREFACE

General

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP-018, Fire Safety to supersede AS 1530.8.2—2007.

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 major changes in this edition are as follows:

- (a) Improved specification of test and specimen configurations in regard to skylights in roof construction and penetrations.
- (b) Inclusion of provisions for the determination of the impact of weathering of exposed timber construction treated with chemicals or coatings that improve its fire performance.
- (c) Inclusion of roof valley details for roof construction.
- (d) Inclusion of test procedure for windows with screens and shutters.
- (e) Clarification of reporting requirements to require observations relate to failure criteria and be less subjective.
- (f) A general review of clarity, intent and specification of all testing requirements.

The AS 1530.8 series comprises this Standard and AS 1530.8.1, *Methods for fire tests on building materials, components and structures, Part 8.1: Tests on elements of construction for buildings exposed to simulated bushfire attack—Radiant heat and small flaming sources*.

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 the Standard, whereas an ‘informative’ appendix is only for information and guidance.

Figures which are referenced in mandatory terms are deemed to be included in the requirements of this Standard.

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 conformance with this Standard.