

Australian Standard[®]

**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**



This Australian Standard® was prepared by Committee FP-018, Fire Safety. It was approved on behalf of the Council of Standards Australia on 27 June 2007.
This Standard was published on 31 August 2007.

The following are represented on Committee FP-018:

- AWTA Textile Testing
- Australasian Fire Authorities Council
- Australian Building Codes Board
- Australian Industry Group
- Australian Institute of Building
- Building Research Association New Zealand (BRANZ)
- Bureau of Steel Manufacturers of Australia
- CSIRO Manufacturing and Materials Technology
- Fire Protection Association Australia
- Fire Protection Association New Zealand
- Plastics and Chemicals Industries Association
- Property Council of Australia

Additional Interests:

- Testing Interests (Australia)
-

This Standard was issued in draft form for comment as DR 06598.

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.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

**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**

First published as AS 1530.8.1—2007.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 8353 8

PREFACE

General

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee FP-018, Fire Tests on Building Components, Materials and Structures and developed by FP-018-05.

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.

Development

This Standard is based on Independent Fire Test Laboratories Test Procedure FSE 027 Part 1 Version 1.6 dated 24 October 2005. See also AS 1530.8.2, *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*.

Referenced documents

This Standard references documents in clauses of both a normative and informative nature. Normative referenced documents are listed in Clause 6. Informative referenced documents are listed in Appendix B.

Normative and informative

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.

Notes

The use of Notes in this Standard is of an advisory nature only. They provide explanations and guidance on recommended design consideration or technical procedures, as well as an informative cross-reference to other documents or publications.

Commentary

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>
1 SCOPE.....	4
2 OBJECTIVE	4
3 PRINCIPLE	4
4 APPLICATION	6
5 LIMITATIONS.....	6
6 NORMATIVE REFERENCES	7
7 DEFINITIONS.....	7
8 LINEAR DIMENSIONS.....	8
9 UNCERTAINTY OF MEASUREMENT.....	8
10 SAFETY PRECAUTIONS	8
11 TEST APPARATUS.....	8
12 CONDITIONING	10
13 PRE-TEST SET-UP FOR RADIANT HEAT TEST	10
14 TEST PROCEDURE.....	11
15 EXTERNAL WALLS.....	18
16 GLAZED VERTICAL ELEMENTS.....	20
17 ROOFS, FASCIA AND GUTTER DETAILS.....	23
18 SKYLIGHTS AND ROOF WINDOWS	24
19 DOORS.....	26
20 SERVICE PENETRATIONS.....	30
21 DECKS	33
22 SUB-FLOOR SPACES	35
23 REPORTING	38

APPENDICES

A	GUIDELINES FOR APPLICATION OF TESTS FOR BUILDINGS EXPOSED TO SIMULATED BUSHFIRE ATTACK	40
B	BIBLIOGRAPHY	41

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

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-