

Australian Standard[®]

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

**Part 1: Combustibility test for
materials**

This Australian Standard was prepared by committee BD/18, Fire Tests on Building Materials, Components and Structures. It was approved on behalf of the Council of Standards Australia on 10 January 1994 and published on 21 March 1994.

The following interests are represented on Committee BD/18:

Australian Assembly of Fire Authorities
Australian-British Chamber of Commerce
Australian Chamber of Commerce and Industry
Australian Fire Protection Association
Australian Institute of Building
Australian Uniform Building Regulations Coordinating Council
Australian Wool Testing Authority
Building Research Association of New Zealand
Bureau of Steel Manufacturers of Australia
Cement and Concrete Association of Australia
Commonwealth Fire Board
CSIRO, Division of Building Construction and Engineering
Fire Protection Industry Association of Australia
Forestry Commission of New South Wales
Insurance Council of Australia
National Association of Forest Industries
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PREFACE

This edition of the Standard was prepared by the Standards Australia Committee on Fire Tests on Building Materials, Components and Structures, to supersede AS 1530.1—1984. This edition aligns the test method more closely with ISO 1182:1990, but specifies the combustibility criteria necessary for regulatory purposes.

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.

CONTENTS

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE	3
1.2 REFERENCED DOCUMENTS	3
1.3 DEFINITIONS	3
1.4 APPLICATION TO FIRE HAZARD ASSESSMENT	3
SECTION 2 TEST PROCEDURE	
2.1 SAMPLING	4
2.2 TEST SPECIMENS	4
2.3 TEST APPARATUS	4
2.4 SETTING UP	7
2.5 TEST METHOD	8
SECTION 3 CALCULATIONS AND REPORTING OF RESULTS	
3.1 TEMPERATURE RISES	10
3.2 SUSTAINED FLAMING	10
3.3 MASS LOSS	10
3.4 CRITERIA OF COMBUSTIBILITY	10
3.5 TEST REPORT	10
APPENDICES	
A COMMENTARY	20
B TYPICAL TEST SUMMARY AND REPORT	22

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STANDARDS AUSTRALIA

Australian Standard

Methods for fire tests on building materials, components and structures

Part 1: Combustibility test for materials

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard specifies a test method for the determination of the combustibility of a building material within the criteria given in Clause 3.4.

WARNING: SO THAT SUITABLE PRECAUTIONS ARE TAKEN TO SAFEGUARD HEALTH, THE ATTENTION OF ALL PERSONS CONCERNED IN FIRE TESTS IS DRAWN TO THE POSSIBILITY THAT HARMFUL GASES MAY BE EVOLVED DURING THE COMBUSTION OF TEST SPECIMENS.

1.2 REFERENCED DOCUMENTS The following documents are referred to in this Standard:

AS

2484 Fire—Glossary of terms

2484.1 Part 1: Fire tests

BS

4937 International thermocouple reference tables

ISO

1182 Fire tests—Building materials—Non-combustibility test

1.3 DEFINITIONS For the purpose of this Standard, the definitions given in AS 2484.1 shall apply.

1.4 APPLICATION TO FIRE HAZARD ASSESSMENT The test results relate only to the behaviour of the test specimens of the material under the particular conditions of the test, and are not intended to be the sole criteria for assessing the potential fire hazard of the material in use.

The test method is not applicable to products which are coated, faced or laminated. In such cases, tests may be carried out separately on the individual materials from which the product is formed and this shall be clearly stated in the test report.

NOTE: The performance of coated, faced or laminated products may be determined by other reaction to fire tests (see Paragraph A1 of Appendix A).