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AS 1530.4-1990 Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance tests of elements of building construction

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Abbreviation

AS 1530.4-1990

Valid from

19/01/1990

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF, Hard copy

Cited By

[This resource is cited by 3 documents \(show Citations\)](#)

Description

This standard sets out test procedures and criteria for the determination of fire-resistance of elements of building construction. Follows the basic principles and provisions contained in ISO 834 - Fire-resistance tests - Elements of Building Construction.

Scope

This Standard applies to heating conditions, test procedures, and criteria for the determination of fire-resistance of an element of building construction. In most cases, a single test, carried out in accordance with this Standard, establishes the fire-resistance for the element of construction concerned.

In addition to providing information on which the fire-resistance of an element of construction can be assessed, the test report includes information which may be of use to the designer. (Records of temperature at critical times may be used by a designer to assess the fire-resistance of a variant of the tested prototype flexural member where the procedure for such an assessment is defined in the appropriate design code.)

In certain cases, the test methods described herein provide information for the determination of -

- (a) resistance to the incipient spread of fire through ceiling systems;
- (b) safe distances for the spacing of combustible materials from elements that provide a separating function;
- (c) radiant heat flux emitted from doorsets, shutter assemblies, damper assemblies and glazing; and
- (d) the free-cross-sectional area of air ducts to provide functional operation while providing fire-resistance.

For assistance with locating previous versions, please contact the information provider.

Notes/comments

NZS 4232.2:1988 cites AS 1530.4:1985, which is not currently available online. We have provided you with a link to this more recent version for your information only.

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- [NZS 3603:1993](#)

AS 1530.4-1990 is cited by NZS 3603:1993 Timber structures standard

- [NZS 4232.2:1988](#)

AS 1530.4-1990 is cited by NZS 4232.2:1988 Performance criteria for fire resisting enclosures - Fire resisting glazing systems

- [NZS 4297:1998](#)

AS 1530.4-1990 is cited by NZS 4297:1998 Engineering design of earth buildings

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