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- [About this portal](#)
- [Latest updates](#)

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[Citations](#)

## AS 1530.4-2005 Methods for fire tests on building materials, components and structures. Part 4: Fire-resistance test of elements of construction

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Abbreviation

AS 1530.4-2005

Valid from

09/09/2005

Replaces

[AS 1530.4-1997](#)

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Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

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[This resource cites 8 documents \(show Citations\)](#)

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**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.

**Scope**

This Standard provides methods for determining the fire resistance of various elements of construction when subjected to standard fire exposure conditions. NOTES: (1) Radiant heat measurements are given in Appendix A. (2) Alternative heating and radiation exposure conditions, which may be used for evaluation of alternative solutions, voluntary upgrades and other applications where the standard heating regime may not be applicable, and additional procedures to meet special requirements are given in Appendix B. (3) Unless one of the alternative heating regimes is specifically required, the standard time temperature curve applies (see Figure 2.10.1). (4) AS 1720.4, AS 3600, AS 3700 and AS 4100 may also be used to determine the fire resistance of an element of construction. (5) The assessment of smoke production and smoke spread when testing specimens is outside the scope of this Standard. Significant smoke spread or smoke production can occur even though an element of construction may have achieved high FRLs. Other test methods, such as AS 1530.7, may be considered when evaluating the potential for smoke spread.

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