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elements of building construction**

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In the event of any doubts arising as to the contents,  
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## Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of Land, Infrastructure, Transport and Tourism through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Testing Center for Construction Materials (JTCCM)/Japanese Standards Association (JSA) with the draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law applicable to the case of revision by the provision of Article 14. Consequently **JIS A 1304:2011** is replaced with this Standard.

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# Method of fire resistance test for elements of building construction

## Introduction

This Japanese Industrial Standard has been prepared based on **ISO 834-1:1999** (Edition 1) and its Amendment 1:2012, **ISO 834-4:2000** (Edition 1), **ISO 834-5:2000** (Edition 1), **ISO 834-6:2000** (Edition 1), **ISO 834-7:2000** (Edition 1), **ISO 834-8:2002** (Edition 1), **ISO 834-9:2003** (Edition 1), with some modifications of the technical contents made to reflect the local needs and situations in Japan.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JC. The comparison table between previous and current editions of this Standard on technically significant revisions is given in Annex JD.

The fire resistance test specified in this Standard is a heating test simulating the loading condition in practice. However, where required, post-test observation after completion of heating, or the water injection test or shock test may be additionally applied.

Further, the test results may be evaluated according to other performance criteria than specified in this Standard, if so required by the level of performance specified in the actual order.

## 1 Scope

This Standard specifies the fire resistance test for structural elements of buildings such as the walls (inclusive of non-loadbearing partitions), columns, beams, floor, roof (inclusive of the ceiling), etc.

NOTE : The International Standards corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 834-1:1999 *Fire-resistance tests—Elements of building construction—Part 1: General requirements* and Amendment 1:2012

ISO 834-4:2000 *Fire-resistance tests—Elements of building construction—Part 4: Specific requirements for loadbearing vertical separating elements*

ISO 834-5:2000 *Fire-resistance tests—Elements of building construction—Part 5: Specific requirements for loadbearing horizontal separating elements*

ISO 834-6:2000 *Fire-resistance tests—Elements of building construction—Part 6: Specific requirements for beams*

ISO 834-7:2000 *Fire-resistance tests—Elements of building construction—Part 7: Specific requirements for columns*

ISO 834-8:2002 *Fire-resistance tests—Elements of building construction—Part 8: Specific requirements for non-loadbearing vertical separating elements*