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**Preskusi požarne odpornosti - Gradbeni elementi - 1. del: Splošne zahteve -  
Dopolnilo A1**

Fire-resistance tests - Elements of building construction - Part 1: General requirements -  
AMENDMENT 1

**iTeh STANDARD PREVIEW**

Essai de résistance au feu - Éléments de construction - Partie 1: Exigences générales -  
AMENDEMENT 1

[SIST ISO 834-1:2021/A1:2021](https://standards.itih.si/catalog/standards/sist/834-1-2021/a1-2021)

Ta slovenski standard je istoveten z: **ISO 834-1:1999/Amd 1:2012**

<https://standards.itih.si/catalog/standards/sist/834-1-2021/a1-2021>

**ICS:**

13.220.50	Požarna odpornost gradbenih materialov in elementov	Fire-resistance of building materials and elements
91.060.01	Stavbni elementi na splošno	Elements of buildings in general

**SIST ISO 834-1:2021/A1:2021****en,fr,de**

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**(standards.iteh.ai)**

[SIST ISO 834-1:2021/A1:2021](https://standards.iteh.ai/catalog/standards/sist/3617c5c4-5005-4789-a3ac-5a04758d93f0/sist-iso-834-1-2021-a1-2021)

<https://standards.iteh.ai/catalog/standards/sist/3617c5c4-5005-4789-a3ac-5a04758d93f0/sist-iso-834-1-2021-a1-2021>

# INTERNATIONAL STANDARD

**ISO**  
**834-1**

First edition  
1999-09-15

**AMENDMENT 1**  
2012-01-15

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## Fire-resistance tests — Elements of building construction —

### Part 1: General requirements

#### AMENDMENT 1

**iTeh STANDARD PREVIEW** *Essai de résistance au feu — Éléments de construction —*

**(standards.iteh.ai)** *Partie 1: Exigences générales*

*AMENDEMENT 1*

[SIST ISO 834-1:2021/A1:2021](https://standards.iteh.ai/catalog/standards/sist/3617c5c4-5005-4789-a3ac-5a04758d93f0/sist-iso-834-1-2021-a1-2021)

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## Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

Amendment 1 to ISO 834-1:1999 was prepared by Technical Committee ISO/TC 92, *Fire safety*, Subcommittee SC 2, *Fire containment*.

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# Fire-resistance tests — Elements of building construction —

## Part 1: General requirements

### AMENDMENT 1

Page iii, Foreword

Add ISO/TR 834-2 to the list of parts:

*Part 2: Guidance on measuring uniformity of furnace exposure on test samples* [Technical Report]

Page 4, 5.5.1.1

Replace the subheading with the following:

#### **5.5.1.1 Furnace temperature thermocouples**

Replace the first paragraph with the following:

The furnace ~~thermocouples~~ temperature shall be measured with plate thermometers which comprise an assembly of a folded steel nickel alloy plate, the thermocouple fixed to it and containing insulation material. The measuring and recording equipment shall be capable of operating within the limits specified in 5.6.

Page 5, 5.5.1.1

Replace the second paragraph with following:

~~The plate part shall be constructed from (150 ± 1) mm long by (100 ± 1) mm wide by (0,7 ± 0,1) mm thick nickel alloy sheet strips folded to the design as shown in figure 1. The folded metal plate shall be constructed from a strip of austenitic nickel based superalloy for high temperature oxidation resistance measuring (150 ± 1) mm long by (100 ± 1) mm wide by (0.7 ± 0.1) mm folded to the design as shown in Figure 1.~~

Replace the third paragraph with the following:

The measuring junction shall consist of nickel chromium/nickel aluminium (type K) wire as defined in IEC 60584-1, contained within mineral insulation in a heat-resisting steel alloy sheath of nominal diameter 1 mm to 3 mm, the hot junctions being electrically insulated from the sheath. The thermocouple hot junction shall be fixed to the geometric centre of the plate in the position shown in Figure 1 by a small steel strip made from the same material as the plate. The steel strip can be welded to the plate or may be screwed to it to facilitate replacement of the thermocouple. The strip shall be approximately 18 mm by 6 mm if it is spot welded to the plate, and nominally 25 mm by 6 mm if it is to be screwed to the plate. The screw shall be 2 mm in diameter.

Page 5, 5.5.1.2

Replace the subheading with the following:

#### **Unexposed surface temperature thermocouples**