

# **Eurocode 9 — Design of aluminium structures —**

## **Part 1-2: Structural fire design**

ICS 91.010.30; 91.080.10; 13.220.50

# National foreword

This British Standard is the UK implementation of EN 1999-1-2:2007, incorporating corrigendum October 2009. It supersedes DD ENV 1999-1-2:2000 which is withdrawn.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by CEN corrigendum October 2009 is indicated in the text by AC1 AC1.

The structural Eurocodes are divided into packages by grouping Eurocodes for each of the main materials, concrete, steel, composite concrete and steel, timber, masonry and aluminium, this is to enable a common date of withdrawal (DOW) for all the relevant parts that are needed for a particular design. The conflicting national standards will be withdrawn at the end of the coexistence period, after all the EN Eurocodes of a package are available.

Following publication of the EN, there is a period allowed for national calibration during which the national annex is issued, followed by a further coexistence period of a maximum 3 years. During the coexistence period Member States will be encouraged to adapt their national provisions to withdraw conflicting national rules before the end of the coexistent period in March 2010.

At the end of this coexistence period, the national standard(s) will be withdrawn.

In the UK, the following national standards are superseded by the Eurocode 9 series. These standards will be withdrawn on a date to be announced.

Eurocode	Superseded British Standards
EN 1999-1-1	BS 8118-2:1991 Structural use of aluminium. Specification for materials, workmanship and protection (superseded).
	DD ENV 1999-1-1:2000 Eurocode 9. Design of aluminium structures. General rules. General rules and rules for buildings (superseded).
	BS 8118-1:1991 Structural use of aluminium. Code of practice for design (partially superseded).
EN 1999-1-2	DD ENV 1999-1-2 Design of aluminium structures. General rules. Structural fire design (superseded).
EN 1999-1-3	DD ENV 1999-2:2000 Eurocode 9. Design of aluminium structures. Structures susceptible to fatigue (superseded).
	BS 8118-1:1991 Structural use of aluminium. Code of practice for design (partially superseded).
EN 1999-1-4	BS 8118-1:1991 Structural use of aluminium. Code of practice for design (partially superseded).
EN 1999-1-5	None

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## Amendments/corrigenda issued since publication

Date	Comments
31 December 2008	Publication of corrected English language text as supplied by CEN
31 March 2009	Re-print of the CEN text provided
31 August 2010	Implementation of CEN corrigendum October 2009

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The UK participation in its preparation was entrusted by Technical Committee B/525, Building and civil engineering structures, to Subcommittee B/525/12, Structural use of aluminium.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Where a normative part of this EN allows for a choice to be made at the national level, the range and possible choice will be given in the normative text, and a note will qualify it as a Nationally Determined Parameter (NDP). NDPs can be a specific value for a factor, a specific level or class, a particular method or a particular application rule if several are proposed in the EN.

To enable EN 1999 to be used in the UK, the NDPs will be published in a National Annex, which will be made available by BSI in due course, after public consultation has taken place.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

**Compliance with a British Standard cannot confer immunity from legal obligations.**



English Version

## Eurocode 9 - Design of aluminium structures - Part 1-2: Structural fire design

Eurocode 9 - Calcul des structures en aluminium - Partie 1-  
2: Calcul du comportement au feu

Eurocode 9 - Bemessung und Konstruktion von  
Aluminiumtragwerken - Teil 1-2: Tragwerksbemessung für  
den Brandfall

This European Standard was approved by CEN on 18 September 2006.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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