

# SVENSK STANDARD

## SS-EN 1991-1-2/AC2:2013



Fastställt/Approved: 2013-09-17  
Publicerad/Published: 2013-09-19  
Utgåva/Edition: 1  
Språk/Language: engelska/English  
ICS: 13.220.50; 91.010.30; 91.070.01; 91.070.70

---

### **Eurokod 1: Laster på bärverk – Del 1-2: Allmänna laster – Termisk och mekanisk verkan av brand**

### **Eurocode 1: Actions on structures – Part 1-2: General actions – Actions on structures exposed to fire**

This preview is downloaded from [www.sis.se](http://www.sis.se). Buy the entire standard via <https://www.sis.se/std-99470>

Europastandarden EN 1991-1-2:2002/AC:2013 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 1991-1-2:2002/AC:2013.

The European Standard EN 1991-1-2:2002/AC:2013 has the status of a Swedish Standard. This document contains the official English version of EN 1991-1-2:2002/AC:2013.

© Copyright/Upphovsrätten till denna produkt tillhör SIS, Swedish Standards Institute, Stockholm, Sverige. Användningen regleras av slutanvändarlicensen för denna produkt.

© Copyright SIS, Swedish Standards Institute, Stockholm, Sweden. All rights reserved. The use of this product is governed by the end-user licence for this product.

*Upplysningar om sakinnehållet i standarden lämnas av SIS, Swedish Standards Institute, telefon 08-555 520 00. Standarder kan beställas hos SIS Förlag AB som även lämnar allmänna upplysningar om svensk och utländsk standard.*

*Information about the content of the standard is available from the Swedish Standards Institute (SIS), telephone +46 8 555 520 00. Standards may be ordered from SIS Förlag AB, who can also provide general information about Swedish and foreign standards.*

Standarden är framtagen av kommittén för Eurokoder, SIS/TK 203.

Har du synpunkter på innehållet i den här standarden, vill du delta i ett kommande revideringsarbete eller vara med och ta fram andra standarder inom området? Gå in på [www.sis.se](http://www.sis.se) - där hittar du mer information.

EUROPEAN STANDARD

**EN 1991-1-2:2002/AC**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2013

---

ICS 91.010.30; 13.220.50

English version

Eurocode 1: Actions on structures - Part 1-2: General actions - Actions on structures exposed to fire

Eurocode 1: Actions sur les structures au feu - Partie 1-2: Actions générales - Actions sur les structures exposées

Eurocode 1 - Einwirkungen auf Tragwerke - Teil 1-2: Allgemeine Einwirkungen - Brandeinwirkungen auf Tragwerke

This corrigendum becomes effective on 6 February 2013 for incorporation in the three official language versions of the EN.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**Management Centre: Avenue Marnix 17, B-1000 Brussels**

## GGIEN 1991-1-2:2002/AC2:2013 (E)

### Modifications due to EN 1991-1-2:2002/AC:2009:

#### 1 Modification to 1.6, "Symbols"

Page 17, definition of "W", delete: "and W<sub>2</sub>".

#### 2 Modification to B.2, "Conditions of use"

Page 33, Paragraph "(2)", replace Equation "(B.1)":

"

$$D/W = \frac{W_2}{W_t} \quad (\text{B.1})$$

"

with:

"

$$D/W = \frac{W_2}{W_1} \quad (\text{B.1})$$

"

#### 3 Modification to B.4.2, "Forced draught"

Page 37, Paragraph "(2)", replace Equation "(B.19)":

"

$$T_f = 1\,200 \left( (A_f \cdot q_{f,d}) / 17,5 - e^{-0,00228 \cdot \Omega} \right) + T_0 \quad (\text{B.19})$$

"

with:

"

$$T_f = 1\,200 \left( 1 - e^{-0,00228 \cdot \Omega} \right) + T_0 \quad (\text{B.19})$$

"

### Modifications due to EN 1991-1-2:2002/AC:2012:

#### 4 Modifications to "National annex for EN 1991-1-2"

In the 2<sup>nd</sup> paragraph, delete the following list entries:

"

— 3.3.1.1(1)",

“

— 3.3.1.2(2)”; and

“

— 3.3.2(1)”.

In the 2<sup>nd</sup> paragraph,, add “, NOTE 1” after “3.3.1.2(1)” in the following list entry:

“

— 3.3.1.2(1)”.

## 5 Modification to Annex A

In Paragraph (7), in the 2<sup>nd</sup> sentence of the NOTE, replace “ $t_{lim}$ ” with “ $t_{max}$ ” as follows: “If  $t_{max}$  is given by  $(0,2 \cdot 10^{-3} \cdot q_{t,d} / O)$ , the fire is ventilation controlled.”.

## 6 Modifications to B.4.1

In Paragraph (3), in the table attached to Figure B.2, in the 1<sup>st</sup> row, in the 1<sup>st</sup> column, replace “ $L_L = \frac{h_{eq}}{3} \Rightarrow$ ” with “ $L_H = \frac{h_{eq}}{3} \Rightarrow$ ”; then, in the 3<sup>rd</sup> row, delete the vertical segment line between the 1<sup>st</sup> and 2<sup>nd</sup> columns and insert “and” between “ $h_{eq} < 1,25 w_t$ ” and “wall above” as below:

“

$L_H = \frac{h_{eq}}{3} \Rightarrow$	$L_1 = \sqrt{L_H^2 + \frac{h_{eq}^2}{9}} \cong \frac{h_{eq}}{2}$	$L_1 \cong \frac{h_{eq}}{2}$
	$L_f = L_L + L_1$	$L_f = \sqrt{L_L^2 + \left(L_H - \frac{h_{eq}}{3}\right)^2} + L_1$
$h_{eq} < 1,25 w_t$ and wall above		no wall above or $h_{eq} > 1,25 w_t$

Figure B.2 — Flame dimensions, no through draught”.

In Paragraph (7), on the line of Formula (B.12), replace “or” with “and” as follows:

“ $L_f = L_L + h_{eq} / 2$  if wall exist above window and if  $h_{eq} \leq 1,25 w_t$  (B.12)”.

