

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1991-1-2:2002/AC

February 2013

Février 2013

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ICS 91.010.30; 13.220.50

English version
Version Française
Deutsche Fassung

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.

Ce corrigendum prendra effet le 6 février 2013 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 6. Februar 2013 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.



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

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Ref. No.: EN 1991-1-2:2002/AC:2013 D/E/F

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

1 Modification to 1.6, "Symbols"

Page 17, definition of "W", delete: "and W₂".

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

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

"

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

"

with:

"

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

"

3 Modification to B.4.2, "Forced draught"

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

"

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

"

with:

"

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

"

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

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

In the 2nd paragraph, delete the following list entries:

"

— 3.3.1.1(1)",

“

— 3.3.1.2(2)”; and

“

— 3.3.2(1)”.
In the 2nd 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 2nd 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 1st row, in the 1st column, replace “ $L_L = \frac{h_{eq}}{3} \Rightarrow$ ” with “ $L_H = \frac{h_{eq}}{3} \Rightarrow$ ”; then, in the 3rd row, delete the vertical segment line between the 1st and 2nd columns and insert “and” between “ $h_{eq} < 1,25 w_t$ ” and “wall above” as below:

“

$L_H = \frac{h_{eq}}{3} \Rightarrow$	$L_1 = \sqrt{L_H^2 + \frac{h_{eq}^2}{9}} \cong \frac{h_{eq}}{2}$	$L_1 \cong \frac{h_{eq}}{2}$
	$L_f = L_L + L_1$	$L_f = \sqrt{L_L^2 + \left(L_H - \frac{h_{eq}}{3}\right)^2} + L$
$h_{eq} < 1,25 w_t$ 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)”.