

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1994-1-2:2005/AC

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ICS 91.080.10; 91.080.40; 91.010.30; 13.220.50

English version
Version Française
Deutsche Fassung

Eurocode 4 - Design of composite steel and concrete structures - Part 1-2:
General rules - Structural fire design

Eurocode 4 - Calcul des structures mixtes
acier-béton - Partie 1-2: Règles générales -
Calcul du comportement au feu

Eurocode 4 - Bemessung und Konstruktion
von Verbundtragwerken aus Stahl und
Beton - Teil 1-2: Allgemeine Regeln
Tragwerksbemessung für den Brandfall

This corrigendum becomes effective on 30 July 2008 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 30 juillet 2008 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 30. Juli 2008 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 1994-1-2:2005/AC:2008 D/E/F

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National Annexes for EN 1994-1-2

Delete “2.3(1)P” and replace with “2.3 (1)P NOTE 1”.
Delete “2.3(2)P” and replace with “2.3 (2)P NOTE 1”.
Delete “2.4.2(3)” and replace with “2.4.2 (3) NOTE 1”.
Delete “3.3.2(9)” and replace with “3.3.2 (9) NOTE 1”.
Delete “4.3.5.1(10)” and replace with “4.3.5.1 (10) NOTE 1”.

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1.2 Normative references

Delete: “ENV 13381-6 Test methods for determining the contribution to the fire resistance of structural members – Part 6: Applied protection to concrete filled hollow sheet columns”

and replace with: “ENV 13381-6 Test methods for determining the contribution to the fire resistance of structural members – Part 6: Applied protection to concrete filled hollow steel columns”.

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4.3.5.1 Structural behaviour

(4) Delete the definition of $A_{i,\theta}$:

“ $A_{i,\theta}$ is the area of each element of the cross-section to which is attributed a certain temperature θ .”

and replace with:

“ $A_{i,\theta}$ is the area of each element of the cross-section ($i = a$ or c or s), which may be affected by the fire”.

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Annex C [informative]

Concrete stress-strain relationships adapted to natural fires with a decreasing heating branch for use in advanced calculation models.

(3) Delete Equation (C.3) “ $\varphi = 0,95 - [0,185 (\theta_{\max} - 100)/200]$ ”

and replace with: “ $\varphi = 1,0 - [0,235 (\theta_{\max} - 100)/200]$ ”.

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D.4 Effective thickness of a composite slab

Delete Table D.6 and its title and replace with:

“Table D.6 - Minimum effective thickness as a function of the standard fire resistance

Standard Fire Resistance	Minimum effective thickness h_{eff} [mm]
I 30	60 - h_3
I 60	80 - h_3
I 90	100 - h_3
I 120	120 - h_3
I 180	150 - h_3
I 240	175 - h_3

”.

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E.2 Calculation of the hogging moment resistance $M_{fi,Rd}$ at an intermediate support (or at a restraining support)

Delete the 1st paragraph of E.2 (6) and Expression (E.8)

“(6) The value of the compressive force F in the slab, at the critical cross section within the span, see (2) of E.1, may be such as :

$$F \leq N \times P_{fi,Rd} - T^- \quad (E.8)''$$

and replace with:

“(6) The value of the compressive force F^+ in the slab, at the critical cross section within the span, see (2) of E.1, may be such as:

$$F^+ \leq N \times P_{fi,Rd} - T^- \quad (E.8)''.$$