

CORRIGENDUM for EN 1994-1-2

The following list of corrigenda has been approved by CEN TC 250 "Structural Eurocodes" committee but is not yet issued by CEN in a consolidated form.

It is being made available by BSI British Standards for information and in response to market demand for the most up to date details on the Eurocodes during this important implementation phase.

Once the full corrected text is received BS EN 1994-1-2: 2004 will be republished incorporating Corrigendum 1.

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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 $A_{i,\theta}$ as follows:

“ $A_{i,\theta}$ 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 : “ $\varphi = 1,0 - [0,235 (\theta_{\max} - 100)/200]$ ”

D.4 Effective thickness of a composite slab

Delete Table D.6 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

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

Delete clause 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 :

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