SLOVENSKI STANDARD

SIST EN 1992-1-1:2005/AC:2008

01-april-2008

Evrokod 2: Projektiranje betonskih konstrukcij - 1-1. del: Splošna pravila in pravila za stavbe

Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings

Eurocode 2: Bemessung und Konstruktion von Stahlbeton- und Spannbetontragwerken - Teil 1-1: Allgemeine Bemessungsregeln und Regeln für den Hochbau

Eurocode 2: Calcul des structures en béton - Partie 1-1: Règles générales et règles pour les bâtiments

Ta slovenski standard je istoveten z: **EN 1992-1-1:2004/AC:2008**

ICS:

91.010.30

91.080.40

SIST EN 1992-1-1:2005/AC:2008 **en,fr**

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 1992-1-1:2004/AC

January 2008
Janvier 2008
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ICS 91.010.30; 91.080.40

English version
Version Française
Deutsche Fassung

Eurocode 2: Design of concrete structures - Part 1-1: General rules and rules for buildings

Eurocode 2: Calcul des structures en béton - Partie 1-1: Règles générales et règles pour les bâtiments

Eurocode 2: Bemessung und Konstruktion von Stahlbeton- und Spannbetontragwerken - Teil 1-1: Allgemeine Bemessungsregeln und Regeln für den Hochbau

This corrigendum becomes effective on 16 January 2008 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 16 janvier 2008 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 16.Januar 2008 zur Einarbeitung in die drei offiziellen Sprachfassungen der EN in Kraft.

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

Management Centre: rue de Stassart, 36 B-1050 Brussels

Ref. No.:EN 1992-1-1:2004/AC:2008 D/E/F

English version

National annex for EN 1992-1-1

Page 13 - replace:

"6.8.6(2)"

with the following:

"6.8.6(3)".

Page 13 - replace:

"J.1(3)"

with the following:

"J.1(2)".

SECTION 1 GENERAL

Under 1.2.2, Other reference standards, replace:

"EN ISO 17760: Permitted welding process for reinforcement"

with the following:

"EN ISO 17660 (all parts): Welding – Welding of reinforcing steel".

SECTION 3 MATERIALS

In Table 3.1, 9th row, last column replace:

"ε_{c1}(‰) = 0.7 $f_{cm}^{0,31}$ < 2,8"

with the following:

"ε_{c1}(‰) = 0,7 $f_{cm}^{0,31}$ ≤ 2,8".

In 3.1.4 (4) replace:

"$\varphi_k(\infty, t_0)$"

with the following:

"$\varphi_{nl}(\infty, t_0)$".

In 3.1.4 (4) replace:

"k_σ is the stress-strength ratio $\sigma_c / f_{cm}(t_0)$ …"

with the following:

"k_σ is the stress-strength ratio $\sigma_c / f_{ck}(t_0)$, where σ_c is the compressive stress and $f_{ck}(t_0)$ is the characteristic concrete…".

In 3.2.4 (2) replace in the Note:

" Values of $(f_t / f_y)_k$ and…."

with the following:

" Values of $k = (f_t / f_y)_k$ and….".

In 3.2.5 (2)P replace:

" …with EN ISO 17760."

with the following:

" …with EN ISO 17660.".

In 3.2.7 (2) replace in point a):

"γ_s"

with the following:

"γ_S".

In Figure 3.8 replace:

"γ_s"

with the following:

"γ_S".

In 3.3.2 (9) replace:

"….10.3.2.2 applies."

with the following:

"….10.3.2.1 applies.".

In Figure 3.10 replace:

"γ_s"

with the following:

"γ_S".

SECTION 4 DURABILITY AND COVER TO REINFORCEMENT

In 4.4.1.3 (4) replace:

“minimum cover”

with the following:

“nominal cover”.

SECTION 5 STRUCTURAL ANALYSIS

Under 5.1.1 General requirements

delete Clause (5)

and renumber the subsequent clauses as follows:

"(6)P" *into* "(5)P",

"(7)" *into* "(6)" and

"(8)" *into* "(7)".

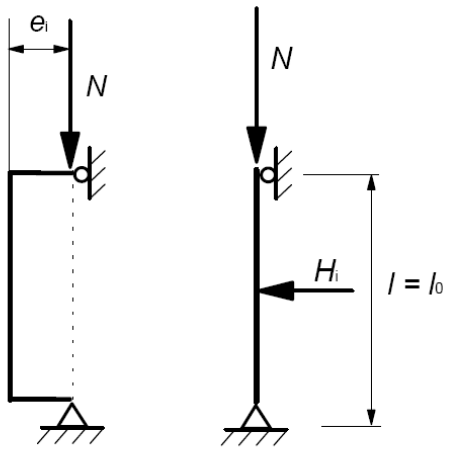
In 5.2 (5) replace:

“*l* is the length or height [m], see (4)”

with the following:

“*l* is the length or height [m], see (6)”.

Correct Figure 5.1 a2) as follows:



a2) Braced

In 5.6.3 (2) replace:

"In region of yield hinges, x_u/d shall not…"

with the following:

"In region of yield hinges, x_u/d should not…".

In 5.8.6 (3) replace:

"… Expressions (3.14) and 3.2.3 (Figure 3.8) …"

with the following:

"… Expressions (3.14) and 3.2.7 (Figure 3.8) …".

In 5.8.6 (3) replace in Expression (5.20) and in the Note:

"γ_{cE}"

with the following:

"γ_{CE}".

In 5.8.7.1 (2) replace:

"… as compared with 5.8.6 (2)."

with the following:

"… as compared with 5.8.5 (1).".

In 5.8.7.3 (1) replace:

"… moments resulting from a linear analysis, namely:"

with the following:

"… moments resulting from a first order analysis, namely:".

In 5.8.8.1 (1) replace:

"… (see also 5.8.5(4))."

with the following:

"… (see also 5.8.5 (3))."

In 5.8.8.2 (2) replace:

"Differing first order end moments M_{01} and M_{02} may be…."

with the following:

"For members without loads applied between their ends, differing first order end moments M_{01} and M_{02} may be….".

In 5.8.9 (3) replace:

"… and if the relative eccentricities e_y/h and e_z/b (see figure 5.7) satisfy…"

with the following:

"… and if the relative eccentricities e_y/h_{eq} and e_z/b_{eq} (see figure 5.8) satisfy…".

In 5.10.2.1 (2) replace:

"… the maximum prestressing force P_{max} may be increased to $k_3 \cdot f_{p0,1k}$ (e.g. for…"

with the following:

"… the maximum prestressing force P_{max} may be increased to $k_3 \cdot f_{p0,1k} \cdot A_p$ (e.g. for…".

In 5.10.4 (1) replace in the Note:

"…(see Annex D)"

with the following:

"…(see 10.3.2.1 and Annex D)".

In 5.10.5.2 (4) replace in the Note:

"HPDE"

with the following:

"HDPE".

In 5.10.6 (2) in Expression (5.46) replace:

"I_c"

with the following:

"I_c".

In 5.10.6 (2) replace:

"E_p is the modulus of elasticity for the prestressing steel, see 3.3.3(9)"

with the following:

"E_p is the modulus of elasticity for the prestressing steel, see 3.3.6 (2)".

SECTION 6 ULTIMATE LIMIT STATES (ULS)

In 6.1 (5) replace:

"…concentric loading (e/h<0,1), such…"

with the following:

"…concentric loading (e_d/h < 0,1), such…".

In 6.2.1 (5) replace:

"…(see Expression (6.8))."

with the following:

"…(see Expression (6.1))."

In 6.2.2 (1) replace:

"N_{Ed} is the axial … for compression). The influence on N_E may be ignored."

with the following:

"N_{Ed} is the axial … for compression). The influence on N_{Ed} may be ignored."

In 6.2.3 (1) replace:

"… the longitudinal tensile force due to shear defined in (3)."

with the following:

"… the longitudinal tensile force due to shear defined in (7)."

In 6.2.3 (5) replace:

"…(e.g. for uniformly distributed loading) the shear reinforcement in any length increment $l = z(\cot\theta + \cot\alpha)$ may be… "

with the following:

"…(e.g. for uniformly distributed loading applied at the top) the shear reinforcement in any length increment $l = z(\cot\theta)$ may be… ".

In 6.2.3 (6) replace:

"Where the web contains grouted ducts…"

with the following:

"Where the web contains grouted metal ducts…".

In 6.2.3 (8) replace:

"The value V_{Ed} calculated without reduction by β, should however always satisfy Expression (6.5)."

with the following:

"The value V_{Ed} calculated without reduction by β, should however always be less than $V_{Rd,max}$, see Expression (6.9).".

Replace the title of paragraph 6.2.4:

"6.2.4 Shear between web and flanges of T-sections"

with the following:

"6.2.4 Shear between web and flanges".

In 6.2.5 (2) replace:

"…following examples:

- Very smooth: a surface cast against steel, plastic or specially prepared wooden moulds: c = 0,25 and μ = 0,5
- Smooth: a slipformed or extruded surface, or a free surface left without further treatment after vibration: c = 0,35 and μ = 0,6
- Rough: a surface with at least 3 mm roughness at about 40 mm spacing, achieved by raking, exposing of aggregate or other methods giving an equivalent behaviour: c = 0,45 and μ = 0,7"

with the following:

"…following examples:

- Very smooth: a surface cast against steel, plastic or specially prepared wooden moulds: c = 0,025 to 0,10 and μ = 0,5
- Smooth: a slipformed or extruded surface, or a free surface left without further treatment after vibration: c = 0,20 and μ = 0,6
- Rough: a surface with at least 3 mm roughness at about 40 mm spacing, achieved by raking, exposing of aggregate or other methods giving an equivalent behaviour: c = 0,40 and μ = 0,7".

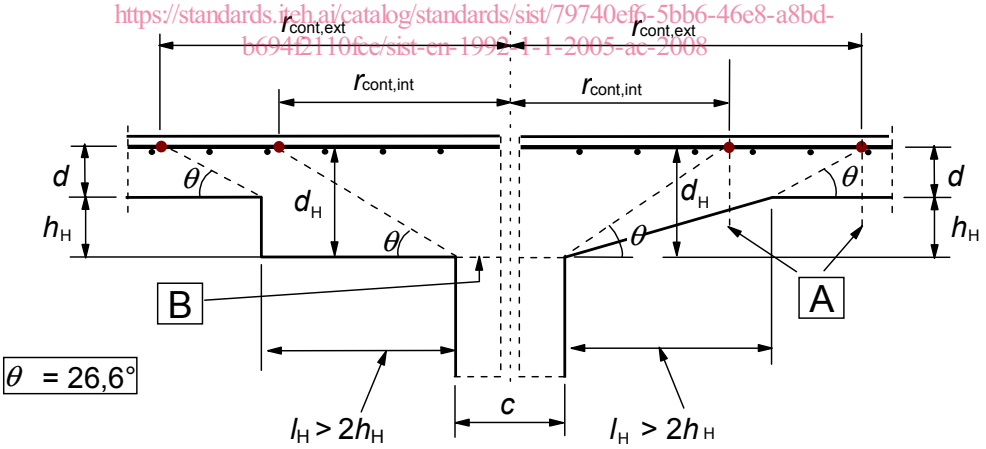
In 6.3.2 (4) replace:

"where ν follows from 6.2.2 (6) and α_c from Expression (6.9)"

with the following:

"where ν follows from 6.2.2 (6) and α_{cw} from Expression (6.9)".

In 6.4.2 (11) correct Figure 6.18 as follows:"



A - basic control sections

for circular columns

B - loaded area A_{load}

Figure 6.18 - Slab with enlarged column head where $l_H > 2(d + h_H)$".

In 6.4.3 (2) replace:

"$v_{Ed} < v_{Rd,max}$"

with the following:

"$v_{Ed} \leq v_{Rd,max}$"

and

"$v_{Ed} < v_{Rd,c}$"

with the following:

"$v_{Ed} \leq v_{Rd,c}$".

In 6.4.3 (3) replace Equation (6.40):

"$W_1 = \int_0^{u_i} |e| dl$"

with the following:

"$W_i = \int_0^{u_i} |e| dl$".

In 6.4.3 (3) replace after Equation (6.42):

"where *D* is the diameter of the circular column"

with the following:

"where *D* is the diameter of the circular column

e is the eccentricity of the applied load $e = M_{Ed} / V_{Ed}$".

In 6.4.3 (4) replace after Equation (6.45):

" …the eccentricity e should be measured from the centroid of the control perimeter."

with the following:

" …the distance e should be measured from the centroid axis of the control perimeter.".

In 6.4.4 (2) replace in Equation (6.50):

"ρ"

with the following:

"ρ_1".

In 6.5.4 (6) replace:

"… and (3.25) with $\sigma_{Rd,max} \leq k_4 \nu' f_{cd}$ if for all three directions…"

with the following:

"… and (3.25) with an upper limit $\sigma_{Rd,max} \leq k_4 \nu' f_{cd}$ if for all three directions…".

In 6.5.4 (9) replace:

"… in accordance with 8.4."

with the following: