

SVENSK STANDARD

SS-EN 1998-1:2004/AC:2009

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Eurokod 8: Dimensionering av bärverk med avseende på jordbävning – Del 1: Allmänna regler, seismisk påverkan och regler för byggnader

Eurocode 8: Design of structures for earthquake resistance – Part 1: General rules, seismic actions and rules for buildings

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Europastandarden EN 1998-1:2004/AC:2009 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av EN 1998-1:2004/AC:2009.

The European Standard EN 1998-1:2004/AC:2009 has the status of a Swedish Standard. This document contains the official English version of EN 1998-1:2004/AC:2009.

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

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EUROPEAN STANDARD

EN 1998-1:2004/AC

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 2009

ICS 91.120.25

English version

Eurocode 8: Design of structures for earthquake resistance - Part 1:
General rules, seismic actions and rules for buildings.

Eurocode 8: Calcul des structures pour leur
résistance aux séismes - Partie 1: Règles
générales, actions sismiques et règles pour
les bâtiments

Eurocode 8: Auslegung von Bauwerken
gegen Erdbeben - Teil 1: Grundlagen,
Erdbebeneinwirkungen und Regeln für
Hochbauten

This corrigendum becomes effective on 8 July 2009 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

1) General modification in the whole document

All along the document, replace all the occurrences of the dated reference "EN 1993-1-1:2004" with "EN 1993-1-1:2005".

2) Modification to "National Standards implementing Eurocodes"

1st paragraph, replace "and may be followed by a National annex (informative)" with "and may be followed by a National annex".

3) Modifications to "National annex for EN 1998-1"

Page 12, Table, 1st column, 1st row, replace "3.2.1(5)" with "3.2.1(5)P".

Page 12, Table, 1st column, 2nd row, replace "3.2.2.2(1)P" with "3.2.2.2(2)P".

Page 12, Table, 2nd column, 10th row, replace:

"Overstrength factor γ_{Rd} for diaphragms."

with:

"Overstrength factor γ_d for diaphragms."

Page 12, Table, 1st column, 12th row, replace "5.2.1(5)" with "5.2.1(5)P".

Page 12, Table, 1st column, 14th row, replace "5.2.4(1), (3)" with "5.2.4(3)".

Page 12, Table, 2nd column, 20th row, replace:

"q-factors of precast systems."

with:

"Reduction factors k_p of behavior factors of precast systems."

Page 13, Table, 1st column, 2nd row, replace "6.1.2(1)" with "6.1.2(1)P".

Page 13, Table, 5th row, 2nd column, replace "EN 1993-1-10:2004" with "EN 1993-1-10:2005".

Page 13, Table, 1st column, 8th row, replace "7.1.2(1)" with "7.1.2(1)P".

Page 13, Table, 1st column, 12th row, replace "8.3(1)" with "8.3(1)P".

4) Modifications to 1.2.2

Paragraph "1(P)", replace "EN 1990, to EN 1997 and to EN 1999" with "EN 1990 to EN 1997 and to EN 1999".

Paragraph "(2)", replace:

"EN 1090-1 Execution of steel structures – Part 1: General rules and rules for buildings;"

with:

"EN 1090-2 Execution of steel structures and aluminium structures – Part 2: Technical requirements for steel structures;"

Paragraph "(2)", after new reference to "EN 1090-2", add:

"EN 1993-1-8 Eurocode 3: Design of steel structures – Part 1-8: Design of joints;

EN 1993-1-10 Eurocode 3: Design of steel structures – Part 1-10: Material toughness and through-thickness properties;"

5) Modifications to 1.5.2

Title, replace:

"1.5.2 Further terms used in EN 1998"

with:

"1.5.2 Further terms used in EN 1998-1"

Paragraph "(1)", replace "EN 1998" with "EN 1998-1".

Paragraph "(1)", definition of the term "capacity design method", replace "capacity design method" with "capacity design".

6) Modification to 1.6.2

Definition of " $S_d(T)$ ", replace:

" $S_d(T)$ design spectrum (for elastic analysis). At $T=0$, the spectral acceleration... by the soil factor S "

with:

" $S_d(T)$ design spectrum (for elastic analysis)".

7) Modification to 1.6.5

Definition of " $f_{y,max}$ ", replace:

" $f_{y,max}$ maximum permissible yield stress of steel"

with:

" $f_{y,max}$ upper value of the yield strength of steel".

8) Modifications to 1.6.8

Definition of " $f_{b,min}$ ", replace:

" $f_{b,min}$ normalised compressive strength of masonry normal to the bed face"

with:

" $f_{b,min}$ normalised compressive strength of masonry units normal to the bed face".

Definition of " $f_{bh,min}$ ", replace:

" $f_{bh,min}$ normalised compressive strength of masonry parallel to the bed face in the plane of the wall"

with:

" $f_{bh,min}$ normalised compressive strength of masonry units parallel to the bed face in the plane of the wall".

9) Modifications to 1.7

Paragraph "(2)", 3rd line, replace " t/m^3 " with "tonne/ m^3 ".

Paragraph "(2)", 4th line, replace "t" with "tonne".

10) Modification to 2.2.2

Paragraph "(2)", "NOTE", 3rd line, replace "unfavourable limiting condition shall be applied" with "unfavourable limiting condition should be applied".

11) Modification to 3.2.3.1.3

Paragraph "(1)P", replace "through a physical simulation" with "through a numerical simulation".

12) Modifications to 4.3.3.2.2

Paragraph "(2)", 1st line, replace "For the determination of the fundamental period of vibration period T_1 " with "For the determination of the fundamental period of vibration T_1 ".

Paragraph "(4)", Equation "(4.8)", replace " $A_c = \Sigma [A_i \cdot (0,2 + (l_{wi} / H))^2]$ " with " $A_c = \Sigma [A_i \cdot (0,2 + (l_{wi} / H)^2)]$ ".

13) Modification to 4.3.6.1

Paragraph "(5)", 3rd line, replace "Clause 9" with "Section 9".

14) Modification to 4.4.2.2

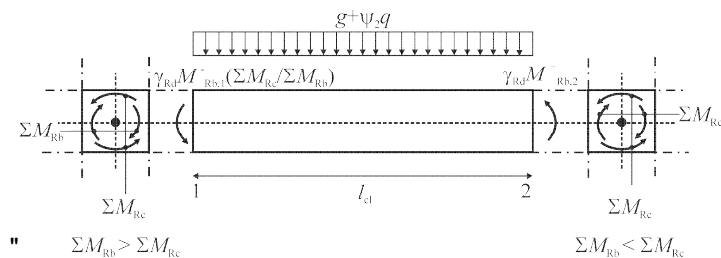
Paragraph "(1)P", definition of " E_d ", replace "EN 1993-1:2004" with "EN 1993-1-1:2005".

15) Modification to 4.4.3.2

Paragraph "(2)", 5th line, replace "ultimate limit state requirement" with "no-collapse requirement".

16) Modification to 5.4.2.2

Replace "Figure 5.1":



with: