

EUROPEAN STANDARD

EN 1991-1-1:2002/AC

NORME EUROPÉENNE

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EUROPÄISCHE NORM

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English version
Version Française
Deutsche Fassung

Eurocode 1: Actions on structures - Part 1-1: General actions - Densities, self-weight, imposed loads for buildings

Eurocode 1: Actions sur les structures -
Partie 1-1: Actions générales - Poids
volumiques, poids propres, charges
d'exploitation bâtiments

Eurocode 1: Einwirkungen auf Tragwerke -
Teil 1-1: Wichten, Eigengewicht und
Nutzlasten im Hochbau

This corrigendum becomes effective on 18 March 2009 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 18 mars 2009 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 18.März 2009 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 1991-1-1:2002/AC:2009 D/E/F

EN 1991-1-1:2002/AC:2009 (E)

1 Modification to Foreword

Page 7, 'National annex for EN 1991-1-1', replace the list of allowed national choices with the following:

"

- 2.2(3),
- 5.2.3(1) to 5.2.3(5),
- 6.3.1.1(1)P (Table 6.1),
- 6.3.1.2(1)P (Table 6.2),
- 6.3.1.2(10) & (11),
- 6.3.2.2(1)P (Table 6.4),
- 6.3.3.2(1) (Table 6.8),
- 6.3.4.2(1) (Table 6.10)
- 6.4(1) (Table 6.12)

"

2 Modification to Subclause 3.3.2

Page 15, Paragraph '(1)', delete:

"

(1) On roofs, imposed loads, and snow loads or wind actions should not be applied together simultaneously.

"

and replace with:

"

(1) On roofs (particularly for category H roofs), imposed loads, need not be applied in combination with either snow loads and/or wind actions.

"

3 Modification to Subclause 6.2.2

Page 19, delete Paragraph '(1)' and replace with the following:

"

(1) For the design of columns and walls, the imposed load should be placed at all unfavourable locations.

NOTE The National Annex may introduce further simplifying rules. It is recommended that the maximum axial force may be calculated assuming the total imposed load on the floor of each story to be uniformly distributed.

"

4 Modifications to Subclause 6.3.1.2

Page 23, Paragraph '(8)', delete bullet points as follows:

"

– for movable partitions with a self-weight $\leq 2,0$ kN/m wall length: $q_k = 0,8$ kN/m²;

– for movable partitions with a self-weight $\leq 3,0$ kN/m wall length: $q_k = 1,2$ kN/m².

"

and replace with:

"

– for movable partitions with a self-weight $>1 \leq 2,0$ kN/m wall length: $q_k = 0,8$ kN/m²;

– for movable partitions with a self-weight $>2 \leq 3,0$ kN/m wall length: $q_k = 1,2$ kN/m².

"

Page 23, delete Paragraph '(10)':

"

(10) In accordance with 6.2.1(4) a reduction factor α_A may be applied to the q_k values for imposed loads in Tables 6.2, and 6.10 for floors, and accessible roofs, Category I (See Table 6.9).

"

and replace with the following:

"

(10) In accordance with 6.2.1(4) a reduction factor α_A may be applied to the q_k values for imposed loads for floors (see Table 6.2 and subclauses (8) and (9)) and for accessible roofs, Category I (see Table 6.9).

"

Page 23, Paragraph '(10)', 'NOTE 1', delete the text that follows:

"NOTE 1 The recommended value for the reduction factor α_A for categories A to E is determined as follows:"

and replace with:

"NOTE 1 The recommended value for the reduction factor α_A for categories A to D is determined as follows:"

EN 1991-1-1:2002/AC:2009 (E)

5 Modification to 6.3.4.1, 'Categories'

Page 29, delete 'Table 6.9' and replace with the following:

“

Table 6.9 - Categorization of roofs

Categories of loaded area	Specific Use
H	Roofs not accessible except for normal maintenance and repair.
I	Roofs accessible with occupancy according to categories A to G
K	Roofs accessible for special services, such as helicopter landing areas

“

6 Modification to 6.4, 'Horizontal loads on parapets and partition walls acting as barriers'

Page 30, Paragraph '(1)', add the following 'NOTE' to the paragraph:

“

NOTE The values for q_k in Table 6.12 may be chosen by the National Annex. The recommended values are underlined.

“

7 Modification to Table A.2, 'Construction materials-masonry'

Page 33, replace references to:

“prEN 771-1” with: “EN 771-1”,

“prEN 771-2” with: “EN 771-2”,

“prEN 771-3” with: “EN 771-3”,

“prEN 771-4” with: “EN 771-4”,

“prEN 771-5” with: “EN 771-5”,

“prEN 771-6” with: “EN 771-6”

and “prEN 1051” with: “EN 1051”.

8 Modification to Table A.5, 'Construction materials- other materials'

Page 35, delete the last row:

“slate” – “28,0”

(as this is given in Table A.2 on page 33).

9 Modification to Table A.7, ‘Stored materials - building and construction’

Page 37, replace reference to: “prEN 206” with: “EN 206”.

10 Modification to Table A.9, ‘Stored products - foodstuffs’

Page 39, delete the table and replace with the following:

Table A.9 - Stored products – foodstuffs

Products	Density γ [kN/m ³]	Angle of repose ϕ [°]
eggs , in stands	4,0 to 5,0	-
flour		
bulk	6,0	25
bagged	5,0	-
fruit		
apples		
- loose	8,3	30
- boxed	6,5	-
cherries	7,8	-
pears	5,9	-
raspberries, in trays	2,0	-
strawberries, in trays	1,2	-
tomatoes	6,8	-
sugar		
loose, piled	7,5 to 10,0	35
dense and bagged	16,0	
vegetables, green		
cabbages	4,0	-
lettuce	5,0	-
vegetables, legumes		
beans		35
- general	8,1	30
- soya	7,4	-
peas	7,8	
vegetables, root		
general	8,8	-
beetroot	7,4	40
carrots	7,8	35
onions	7	35
turnips	7	35
potatoes		
in bulk	7,6	35
in boxes	4,4	-
sugarbeet,		
dried and chopped	2,9	35
raw	7,6	-
wet shreds	10,0	-

NOTE See Section 4.