

SLOVENSKI STANDARD SIST EN 1991-1-4:2005/A1:2010

01-september-2010

Evrokod 1: Vplivi na konstrukcije - 1-4. del: Splošni vplivi - Obtežbe vetra

Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions

Eurocode 1: Einwirkungen auf Tragwerke - Teil 1-4: Allgemeine Einwirkungen - Windlasten

Eurocode 1: Actions sur les structures - Partie 1-4 : Actions générales - Actions du vent (standards.iteh.ai)

Ta slovenski standard je istoveten z: 1001 EN 1991-1-4:2005/A1:2010

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8f4d645debe4/sist-en-1991-1-4-2005-a1-2010

ICS:

91.010.30 Tehnični vidiki Technical aspects

SIST EN 1991-1-4:2005/A1:2010 en,fr,de

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EN 1991-1-4:2005/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2010

ICS 91.010.30

English Version

Eurocode 1: Actions on structures - Part 1-4: General actions - Wind actions

Eurocode 1: Actions sur les structures - Partie 1-4 : Actions générales - Actions du vent

Eurocode 1: Einwirkungen auf Tragwerke - Teil 1-4: Allgemeine Einwirkungen - Windlasten

This amendment A1 modifies the European Standard EN 1991-1-4:2005; it was approved by CEN on 18 February 2010.

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

Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (EN 1991-1-4:2005/A1:2010) has been prepared by Technical Committee CEN/TC 250 "Structural Eurocodes", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2011, and conflicting national standards shall be withdrawn at the latest by October 2010.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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Page 7

National annex for EN 1991-1-4 - add the following:

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"7.2.3(2)"
"7.2.3(4)"
"7.2.4(1)"
"7.2.4(3)"
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"7.2.5(1)"

"7.2.5(1)

"7.2.5(3)" "7.2.6(1)"

"7.2.6(3)"

"7.2.7"

"7.3(6)"

"7.9.2(2)"

"Table 7.14"

Page 37

7.2.3 Flat roofs

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Delete 7.2.3(2) and replace with:

SIST EN 1991-1-4:2005/A1:2010

"7.2.3(2) The roof should/bendividedaim zones dards/sist/f5773345-5950-46f9-bd7d-8f4d645debe4/sist-en-1991-1-4-2005-a1-2010

NOTE The zones may be defined by the National Annex. The recommended zones are given in Figure 7.6."

Delete 7.2.3(4) and (5) and replace with:

"7.2.3(4) Pressure coefficients should be defined for each zone.

NOTE 1 The pressure coefficients may be set by the National Annex.

The recommended values are given in Table 7.2

NOTE 2 The resulting pressure coefficient on the parapet should be determined using 7.4."

Page 39

Table 7.2 – Delete title and replace with the following:

"Recommended values of external pressure coefficients for flat roofs."

In NOTE 3 delete "shall" and replace with "should".

Editing Note – The Table is now moved to a NOTE and therefore the font size used should be reduced accordingly. The Table should be repositioned at the first revision

Add the following new NOTE 6:

"NOTE 6 For mansard eaves with horizontal dimension less than *e*/10,the values for sharp eaves should be used. For the definition of e see Figure 7.6"

Page 40

7.2.4 Monopitch roofs - *delete* 7.2.4(1) *and* 7.2.4(3) *and replace the text as follows:*

"7.2.4(1) The roof, including its protruding parts, should be divided in zones.

NOTE The zones may be defined by the National Annex. The recommended zones are given in Figure 7.7.

7.2.4(3) Pressure coefficients should be defined for each zone.

NOTE The pressure coefficients may be set by the National Annex. The recommended values are given in Table 7.3a and Table 7.3b.1 STANDARD PREVIEW

(standards.iteh.ai)

Page 42

<u>SIST EN 1991-1-4:2005/A1:2010</u> https://standards.iteh.ai/catalog/standards/sist/f5773345-5950-46f9-bd7d-8f4d645debe4/sist-en-1991-1-4-2005-a1-2010

Tables 7.3a & 7.3b, change titles of both tables to:

"Recommended values of external pressure coefficients for monopitch roofs"

Editing Note – The Tables are now moved to a NOTE and the font size used should be reduced accordingly. The Tables should be repositioned at the first revision

Page 43

7.2.5

Delete 7.2.5(1) and 7.2.5(3) and replace with:

"7.2.5(1) The roof, including its protruding parts, should be divided in zones.

NOTE The zones may be defined by the National Annex. The recommended zones are given in Figure 7.8.

7.2.5(3) Pressure coefficients should be defined for each zone.

NOTE The pressure coefficients may be set by the National Annex. The recommended values are given in Table 7.4a and Table 7.4b."

Page 45

Table 7.4a, change title of table to:

"Recommended values of external pressure coefficients for duopitch roofs"

Editing Note – The Table is now moved to a NOTE and the font size used should be reduced accordingly. The Table should be repositioned at the first revision

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Page 46

SIST EN 1991-1-4:2005/A1:2010

https://standards.iteh.ai/catalog/standards/sist/f5773345-5950-46f9-bd7d-

Table 7.4b change title of table 4/sist-en-1991-1-4-2005-a1-2010

"Recommended values of external pressure coefficients for duopitch roofs"

Editing Note – The Table is now moved to a NOTE and the font size used should be reduced accordingly. The Table should be repositioned at the first revision

Page 47

7.2.6 Hipped roofs - *delete* 7.2.6(1) *and* 7.2.6(3) *and replace with:*

"7.2.6(1) The roof, including its protruding parts, should be divided in zones.

NOTE The zones may be defined by the National Annex. The recommended zones are given in Figure 7.9."

7.2.6(3) Pressure coefficients should be defined for each zone.

NOTE The pressure coefficients may be set by the National Annex. The recommended values are given in Table 7.5.

Page 48

Table 7.5, change title of table to:

"Recommended values of external pressure coefficients for hipped roofs of buildings"

Editing Note – The Table is now moved to a NOTE and the font size used should be reduced accordingly. The Table should be repositioned at the first revision

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Page 49

7.2.7 Multispan roofs

Add new clause (4) at the end:

"(4) For a multispan roof when no resulting horizontal force arise, a minimum roughness factor of 0,05 (independently from the roughness of the structure) should be taken into account for wind actions normal to the areas of the multispan roof. Consequently each multispan roof shall be designed for the following minimum resulting horizontal force:

 $0.05 \cdot q_{\text{p.ze}} \cdot A_{\text{Shed}}$

where A_{Shed} is the base area of each multispan roof."

6