

EUROPEAN STANDARD

EN 1999-1-4:2007/AC

NORME EUROPÉENNE

November 2009

EUROPÄISCHE NORM

Novembre 2009

November 2009

ICS 91.010.30; 93.020

English version
Version Française
Deutsche Fassung

Eurocode 9 - Design of aluminium structures - Part 1-4: Cold-formed
structural sheeting

Eurocode 9 - Calcul des structures en
aluminium - Partie 1-4: Tôles de structure
formées à froid

Eurocode 9 - Bemessung und Konstruktion
von Aluminiumtragwerken -Teil 1-4:
Kaltgeformte Profiltafeln

This corrigendum becomes effective on 4 November 2009 for incorporation in the three official language versions of the EN.

Ce corrigendum prendra effet le 4 novembre 2009 pour incorporation dans les trois versions linguistiques officielles de la EN.

Die Berichtigung tritt am 4. November 2009 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: Avenue Marnix 17, B-1000 Brussels

© 2009 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.
Tous droits d'exploitation sous quelque forme et de quelque manière que ce soit réservés dans le monde entier aux membres nationaux du CEN.
Alle Rechte der Verwertung, gleich in welcher Form und in welchem Verfahren, sind weltweit den nationalen Mitgliedern von CEN vorbehalten.

Ref. No.: EN 1999-1-4:2007/AC:2009 D/E/F

1) Modifications to 1.2.3

Replace "EN 485-2:1994" with "EN 485-2:2008".

Replace "EN 508-2:2000" with "EN 508-2".

Replace "EN 1396:1996" with "EN 1396:2007".

Delete the whole reference to "EN 10088".

2) Modifications to 3.2.1

"Table 3.1", footnote "1)", replace "EN 485-2:1994-11" with "EN 485-2:2008".

"Table 3.1", footnote "2)", replace "EN 1396:1997-2" with "EN 1396:2007".

"Table 3.1", 9th row (for "EN AW-5251"), 2nd column, replace "AlMg2" with "AlMg2Mn0,3".

3) Modification to 5.5.4.3

"Table 5.5", replace the whole table with the following one:

"

Table 5.5 - Slenderness $\bar{\lambda}_p$ and stress relation factor ψ for a web with stiffeners

Web part location	Web part	Slenderness $\bar{\lambda}_p$	Stress relation factor ψ
No stiffeners, Figure 5.7 (a)			
Between compression flange and centroidal axis	s_n	$\bar{\lambda}_p = 1,052 \frac{s_n}{t} \sqrt{\frac{f_o}{E k_\sigma}}$	$\psi = -\frac{e_t}{e_c}$
One stiffener, Figure 5.7 (b)			
Adjacent to compression flange	s_a	$\bar{\lambda}_p = 1,052 \frac{s_a}{t} \sqrt{\frac{f_o}{E k_\sigma}}$	$\psi = \frac{e_c - h_a}{e_c}$
Adjacent to centroidal axis	s_n	$\bar{\lambda}_p = 1,052 \frac{s_c}{t} \sqrt{\frac{f_o}{E k_\sigma} \cdot \frac{(e_c - h_a - h_{sa})}{e_c}}$	$\psi = -\frac{e_t}{s_n \cdot \sin \phi}$
Two stiffeners, Figure 5.7 (c)			
Adjacent to compression flange	s_a	$\bar{\lambda}_p = 1,052 \frac{s_a}{t} \sqrt{\frac{f_o}{E k_\sigma}}$	$\psi = \frac{e_c - h_a}{e_c}$
Between stiffeners	s_b	$\bar{\lambda}_p = 1,052 \frac{s_b}{t} \sqrt{\frac{f_o}{E k_\sigma} \cdot \frac{(e_c - h_a - h_{sa})}{e_c}}$	$\psi = \frac{e_c - h_b}{e_c - h_a - h_{sa}}$
Adjacent to centroidal axis	s_n	$\bar{\lambda}_p = 1,052 \frac{s_c}{t} \sqrt{\frac{f_o}{E k_\sigma} \cdot \frac{(e_c - h_b - h_{sb})}{e_c}}$	$\psi = -\frac{e_t}{s_n \cdot \sin \phi}$

"

4) Modification to A.1

Paragraph "(1)", "NOTE 2", replace "The National Annex may give further information on testing" with

"The National Annex may give further information on testing and on the evaluation of test results".