

CYS National Annex to CYS EN 1993-1-2:2005

Eurocode 3:

Design of steel structures

Part 1-2:

General rules - Structural fire design

Prepared by

Eurocodes Committee, Scientific and Technical Chamber

of Cyprus under a Ministry of Interior's Programme



NATIONAL ANNEX
TO
CYS EN 1993-1-2:2005
Eurocode 3: Design of steel structures
Part1-2: General rules – Structural fire design

This National Annex has been approved by the Board of Governors of the Cyprus Organisation for Standardisation on 11/06/2010.

INTRODUCTION

This National Annex has been prepared by the Eurocodes Committee of the Technical Chamber of Cyprus which was commissioned by the Ministry of Interior of the Republic of Cyprus.

NA 1 SCOPE

This National Annex is to be used in conjunction with CYS EN 1993-1-2:2005.

This National Annex gives:

- (a) Nationally Determined Parameters described in the following clauses of CYS EN 1993-1-2:2005 (see Section NA 2):
 - 2.3 (1)
 - 2.3 (2)
 - 4.1 (2)
 - 4.2.3.6 (1)
 - 4.2.4 (2)
- (b) Decisions on the use of CYS EN 1993-1-2:2005 informative annexes (see Section NA 3)
- (c) References to non-contradictory complementary information to assist the user to apply CYS EN 1993-1-2:2005 (see Section NA 4)

NA 2 NATIONALLY DETERMINED PARAMETERS

NA 2.1 Clause 2.3 (1) Design values of material properties

The recommended value of $\gamma_{M,fi}=1,0$ should be used.

NA 2.2 Clause 2.3 (2) Design values of material properties

The recommended value of $\gamma_{M,fi}=1,0$ should be used.

NA 2.3 Clause 4.1 (2) General

Advanced calculation models may be used at the discretion of the designer.

NA 2.4 Clause 4.2.3.6 (1) Members with Class 4 cross-sections

The recommended value of $\theta_{crit}=350^{\circ}\text{C}$ should be used.

NA 2.5 Clause 4.2.4 (2) Critical temperature

Table 4.1 (CYS) specifies the critical temperatures $\theta_{a,cr}$ for values of μ_0 from 0,22 to 0,80 of Table 4.1 of CYS EN 1993-1-2.

Table 4.1 (CYS): Critical temperature $\theta_{a,cr}$ for values of the utilisation factor μ_0

μ_0	$\theta_{a,cr}$	μ_0	$\theta_{a,cr}$	μ_0	$\theta_{a,cr}$
0,22	711	0,42	612	0,62	549
0,24	698	0,44	605	0,64	543
0,26	685	0,46	598	0,66	537
0,28	674	0,48	591	0,68	531
0,30	664	0,50	585	0,70	526
0,32	654	0,52	578	0,72	520
0,34	645	0,54	572	0,74	514
0,36	636	0,56	566	0,76	508
0,38	628	0,58	560	0,78	502
0,40	620	0,60	554	0,80	496

NA 3 DECISION ON THE USE OF INFORMATIVE ANNEXES

NA 3.1 Annex C

Annex C may be used.

NA 3.2 Annex D

Annex D may be used.

NA 3.3 Annex E

Annex E may be used.

NA 4 REFERENCES TO NON-CONTRADICTIONARY COMPLEMENTARY INFORMATION

None

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