

NATIONAL ANNEX

TO

***CYS EN 1991-1-2:2002
(Including AC:2013)***

***Eurocode 1: Actions
on Structures***

***Part 1-2: General
Actions – Actions on
Structures Exposed to
fire***



NATIONAL ANNEX
TO
CYS EN 1991-1-2:2002 (Including AC:2013)
Eurocode 1: Actions on Structures
Part 1-2: General Actions – Actions on Structures
Exposed to fire

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*Centre of Information and Customer Service
at the Cyprus Organisation for Standardisation
phone: +357 22 411413/4 email: c.service@cys.org.cy*

INTRODUCTION

This National Annex has been prepared by the CYS TC 18 Standardisation Technical Committee of the Cyprus Organisation for Standardisation. (CYS)

NA 1 SCOPE

This National Annex is to be used together with CYS EN 1991-1-2:2002 Including AC: 2013. Any reference in the rest of this text to CYS EN 1991-1-2:2002 means the above document.

This National Annex gives:

- (a) National determined parameters for the following clauses of CYS EN 1991-1-2:2002 where national choices are allowed (see Section NA2)
- 2.4(4)
 - 3.1(10)
 - 3.3.1.2(1) NOTE 1
 - 3.3.1.3(1)
 - 3.3.2(2)
 - 4.2.2(2)
 - 4.3.1(2)
- (b) Guidance on use of the informative Annexes A, B, C, D, E, F and G (see Section NA 3)
- (c) References to non-contradictory complementary (see Section NA 4).

NA 2 NATIONALLY DETERMINED PARAMETERS

NA 2.1 Clause 2.4(4) Temperature Analysis

Note 1: The specific period of time should be obtained from annex F.

Note 2: No Further guidance is given.

NA 2.2 Clause 3.1(10) Thermal action for temperature analysis

Gas temperature should adopted as nominal temperature–time curves according to 3.2 of CYS EN 1991-1-2:2002 including AC: 2013.

NA 2.3 Clause 3.3.1.2(1) Note 1 Compartment fires

No more information. Clause 3.3.1.2.(1) of the standard applies.

NA 2.4 Clause 3.3.1.3(1) Localized Fires

Annex C should be used for determination of thermal action from localized fires

NA 2.5 Clause 3.3.2(2) Fire model that should be used

The one-zone models assuming a uniform time dependent temperature distribution in the compartment should be used. The calculation method is given in Annex D.

NA 2.6 Clause 4.2.2(2) Mechanical action for structural analysis. Additional actions

No more information.

NA 2.7 Clause 4.3.1(2) Combination rules for actions

The representative value of the variable action Q_1 should be considered as the quasi-permanent value $\psi_{2,1} Q_1$. (Recommended Value)

NA 3 DECISION ON USE OF THE INFORMATIVE ANNEXES A, B, C, D, E, F AND G

NA 3.1 Annex A

Annex A may be used

NA 3.2 Annex B

Annex B may be used

NA 3.3 Annex C

Annex C may be used

NA 3.4 Annex D

Annex D may be used

NA 3.5 Annex E

Annex E may be used

NA 3.6 Annex F

Annex F may be used

NA 3.7 Annex G

Annex G may be used

NA 4 REFERENCES TO NON-CONTRADICTORY COMPLEMENTARY INFORMATION

None

**NA to
CYS EN
1991-1-2:2002
(Including
AC:2013)**

**CYPRUS ORGANISATION FOR STANDARDISATION
Limassol Avenue and Kosta Anaxagora 30,
2nd & 3rd Floor, 2014 Strovolos, Cyprus
P.O.BOX.16197, 2086 Nicosia, Cyprus**

Tel: +357 22 411411 Fax: +357 22 411511

E-Mail: cystandards@cys.org.cy

Website: www.cys.org.cy