

# **CYS National Annex to CYS EN 1999-1-2:2007**

## **Eurocode 9: Design of aluminium structures**

### **Part 2: 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 1999-1-2:2007 Eurocode 9: Design of aluminium  
structures**

**Part1-2: 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 together with CYS EN 1999-1-2:2007

This National Annex gives:

- (a) Nationally determined parameters for the following clauses of CYS EN 1999-1-2:2007 where National choice is allowed (see Section NA 2)
  - 2.3 (1)
  - 2.3 (2)
  - 2.4.2 (3)
  - 4.2.2.1 (1)
  - 4.2.2.3 (5)
  - 4.2.2.4 (5)
- (b) Decisions on the use of the Informative Annexes A and B (see Section NA 3)
- (c) References to non-contradictory complementary information to assist the user to apply CYS EN 1999-1-2:2007. In this National Annex such information is provided for the following clauses in CYS EN 1999-1-2:2007 (see Section NA 4).

## NA 2 NATIONALLY DETERMINED PARAMETERS

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

For mechanical properties of aluminium, the partial safety factor for the fire situation is defined to be  $\gamma_{M,fi} = 1,0$ .

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

For thermal properties of aluminium, the partial safety factor for the fire situation is defined to be  $\gamma_{M,fi} = 1,0$ .

### NA 2.3 Clause 2.4.2 (3) Member analysis

For the values of  $\gamma_G$ ,  $\gamma_{Q,1}$ ,  $\psi_{fi}$  and  $\xi$  see CYS EN 1990.

### NA 2.4 Clause 4.2.2.1 (1) Classification of cross-sections

No further provisions are given.

### NA 2.5 Clause 4.2.2.3 (5) Beams

No further provisions are given.

### NA 2.6 Clause 4.2.2.4 (5) Columns

No further provisions are given.

## **NA 3 DECISION ON USE OF THE INFORMATIVE ANNEXES A AND B**

### **NA 3.1 Annex A**

Annex A may be used

### **NA 3.2 Annex B**

Annex B may be used

## **NA 4 REFERENCES TO NON-CONTRADICTORY COMPLEMENTARY INFORMATION**

None



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