

***NATIONAL ANNEX
TO
CYS EN 1995-2:2004***

***Eurocode 5: Design
of Timber Structures***

Part 2: Bridges

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CYS EN 1995-2:2004
Eurocode 5: Design of Timber Structures
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INTRODUCTION

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

NA 1 SCOPE

This National Annex is to be used together with CYS EN 1995-2:2004. Any reference in the rest of this text to CYS EN 1995-2:2004 means the above document.

This National Annex gives:

- (a) Nationally determined parameters for the following clauses of CYS EN 1995-2:2004 where National choice is allowed (see Section NA 2)
- 2.3.1.2(1) Load-duration assignment
 - 2.4.1 Partial factors for material properties
 - 7.2 Limiting values for deflections
 - 7.3.1(2) Damping ratios
- (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 1995-2:2004 (see Section NA 4).

NA 2 NATIONALLY DETERMINED PARAMETERS

NA 2.1 Clause 2.3.1.2(1) – Load-duration assignment

Load duration for actions during erection shall be regarded as short term

NA 2.2 Clause 2.4.1. – Partial factors for material properties

- For fundamental combinations the partial factors for material properties γ_M shall be taken from Table 2.1 of CYS EN 1995-2:2004
- For accidental combinations the value of partial factor shall be $\gamma_M = 1.0$

NA 2.3 Clause 7.2 Limiting values for deflections

The limiting values for deflections shall be taken from Table 7.1 (CYS):

Table 7.1 (CYS) – Limiting values for deflections for beams, plates and trusses

Action	Limiting value
Characteristic traffic load	<i>l/400</i>
Pedestrian load and low traffic load	<i>l/200</i>

NA 2.4 Clause 7.3.1(2) Damping ratios

Where no other values have been verified, the damping ratio should be taken as

- $\zeta = 0.010$ for structures without mechanical joints
- $\zeta = 0.015$ for structures with mechanical joints

NA 3 DECISION ON USE OF THE INFORMATIVE ANNEXES

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

**NA to
CYS EN
1995-2:2004**

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