

CYS National Annex to CYS EN 1992-3:2006

Eurocode 2: Design of concrete structures

Part 3: Liquid retaining and containment structures

Prepared by
Eurocodes Committee, Scientific and Technical Chamber
of Cyprus under a Ministry of Interior's Programme



NATIONAL ANNEX

TO

**CYS EN 1992-3:2006 Eurocode 2: Design of concrete
structures**

Part3: Liquid retaining and containment structures

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 1992-3:2006

This National Annex gives

- (a) Nationally determined parameters for the following clauses of CYS EN 1992-3:2006 where National choice is allowed (see Section NA 2)
 - 7.3.1 (111)
 - 7.3.1 (112)
 - 9.11.1 (102)
- (b) Decisions on the use of the Informative Annexes K, L, M and N (see Section NA 3)
- (c) References to non-contradictory complementary information to assist the user to apply CYS EN 1992-3:2006. In this National Annex such information is provided for the following clauses in CYS EN 1992-3:2006 (see Section NA 4)

NA 2 NATIONALLY DETERMINED PARAMETERS

NA 2.1 Clause 7.3.1 (111) Cracking - General considerations

The values of w_{k1} for structures retaining water are defined as a function of the ratio of the hydrostatic pressure, h_D to the wall thickness of the containing structure, h . For $h_D/h \leq 5$, $w_{k1} = 0,2$ mm while for $h_D/h \geq 35$, $w_{k1} = 0,05$ mm. For intermediate values of h_D/h , linear interpolation between 0,2 and 0,05 should be used.

NA 2.2 Clause 7.3.1 (112) Cracking - General considerations

The value for x_{min} is the lesser of 50 mm or $0,2h$ where h is the element thickness.

NA 2.3 Clause 9.11.1 (102) Minimum area of passive reinforcement and cross-sectional dimensions

The thickness of walls forming the sides of reservoirs or tanks should generally not be less than t_1 mm for class 0 or t_2 mm for classes 1 or 2. Slipformed walls should not be thinner than t_2 mm whatever the class and the holes left by the lifting rods should be filled with a suitable grout.

The value for t_1 is 120 mm and for t_2 is 150 mm.

NA 3 DECISION ON USE OF THE INFORMATIVE ANNEXES K, L, M AND N

NA 3.1 Annex K

Annex K may be used

NA 3.2 Annex L

Annex L may be used

NA 3.3 Annex M

Annex M may be used

NA 3.4 Annex N

Annex N may be used

**NA 4 REFERENCES TO NON-CONTRADICTIONARY COMPLEMENTARY
INFORMATION**

None

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