

***NATIONAL ANNEX
TO
CYS EN 1992-3:2006***

***Eurocode 2: Design of
concrete structures***

***Part 3: Liquid
retaining and
containment
structures***



NATIONAL ANNEX
TO
CYS EN 1992-3:2006
Eurocode 2: Design of concrete structures
Part 3: Liquid retaining and containment structures

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phone: +357 22 411413/4 email: c.service@cys.org.cy

INTRODUCTION

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

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)
 - 7.3.3
 - 8.10.1.3 (102) and (103)
 - 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 7.3.3 Control of cracking without direct calculation

Where the minimum reinforcement given by 7.3.2 is provided, Figures 7.103N and 7.104N give values of maximum bar diameters and bar spacings for various design crack widths for sections totally in tension.

NA 2.4 Clause 8.10.1.3 (102) and (103) Post-tension ducts

The value of k is specified as 0, 25.

NA 2.5 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. Slip formed 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-CONTRADICTORY COMPLEMENTARY INFORMATION

None

**NA to
CYS EN
1992-3:2006**

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
