

CYS National Annex to CYS EN 1996-2:2006

Eurocode 6:

Design of masonry structures

Part 2: Design considerations, selection of materials and execution of masonry

Prepared by

Eurocodes Committee, Scientific and Technical

Chamber of Cyprus under a Ministry of Interior's Programme



NATIONAL ANNEX

TO

**CYS EN 1996-2:2006 Eurocode 6: Design of masonry
structures**

**Part 2: Design considerations, selection of materials and
execution of masonry**

**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 1996-2:2006

This National Annex gives:

- (a) Nationally determined parameters for the following clauses of CYS EN 1996-2:2006 where National choice is allowed (see Section NA 2)
- 2.3.4.2(2)
 - 3.5.3.1(1)
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- (b) Decisions on the use of the Informative Annexes A, B and C (see Section NA 3)
- (c) Specific references to non-contradictory complementary information, through the following clauses.
- 1.1.(2)P
 - 2.3.1.(1)
 - 3.4.(3)

NA 2 NATIONALLY DETERMINED PARAMETERS

NA 2.1 Clause 2.3.4.2.(2) Spacing of movement joints

The horizontal distance l_m , between vertical movement joints in external non-load bearing unreinforced masonry walls should not exceed the values given in the following table.

Maximum horizontal distance, l_m , between vertical movement joints for unreinforced, non-loadbearing walls

Type of masonry	l_m (m)
Clay masonry	12
Calcium silicate masonry	8
Aggregate concrete and manufactured stone masonry	6
Autoclaved aerated concrete masonry	6
Natural stone masonry	12

NOTE. The maximum horizontal spacing of vertical movement joints may be increased for walls containing bed joint reinforcement conforming to CYS EN 845-3. Guidance may be obtained from the manufacturers of bed joint reinforcement .

NA 2.2 Clause 3.5.3.1.(1) Pointing for masonry other than thin layer masonry

Where joints are to be pointed, the unhardened mortar joints should be raked out so as to have clean sides to a depth of at least d_p measured from the finished surface of the joint. Loose material should be brushed out.

Depth d_p should be no more than 15% of the wall thickness and not more than 20mm.

NA 3 DECISION ON USE OF INFORMATIVE ANNEXES A, B AND C

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 4 REFERENCES TO NON-CONTRADICTORY COMPLEMENTARY INFORMATION

NA 4.1 Clause 1.1.(2)P Scope of Part 2 of Eurocode 6

None.

NA 4.2 Clause 2.3.1.(1) Detailing

None.

NA 4.3 Clause 3.4.(3) Permissible Deviations

Deviations of the constructed masonry from its intended position should not exceed the values given in the following table 3.1

Table 3.1(CYS) Permissible deviations for masonry elements

4.3.1.1.1.1.1 Position	Maximum deviation
Verticality	
in any one storey	± 20 mm
in total height of building of three storeys or more	± 50 mm
vertical alignment	± 20 mm
Straightness^a	
in any one metre	± 10 mm
in 10 metres	± 50 mm
Thickness	
of wall leaf ^b	± 5 mm or ± 5 % of the leaf thickness whichever is the greater
of overall cavity wall	± 10 mm.
^a Deviation from straightness is measured from a straight reference line between any two points.	
^b Excluding leaves of single masonry unit width or length, where the dimensional tolerances of the masonry units govern the leaf thickness.	

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