

***NATIONAL ANNEX  
TO  
CYS EN 1996-2:2006  
(Including AC:2009)***

***Eurocode 6: Design of  
masonry structures***

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



**NATIONAL ANNEX**  
**TO**  
**CYS EN 1996-2:2006 including AC:2009**  
**Eurocode 6: Design of masonry structures**  
**Part 2: Design considerations, selection of materials**  
**and execution of masonry**

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## INTRODUCTION

This National Annex has been prepared by the 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 1996-2:2006 including AC:2009. Any reference in the rest of this text to CYS EN 1996-2:2006 means the above document.

This National Annex gives:

- (a) Nationally determined parameters for the following clauses of CYS EN 1996-2:2006+AC:2009 where National choice is allowed (see Section NA 2)
- 2.3.4.2(2)
  - 3.5.3.1(1)
- (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

The value of  $d_p$  is 15mm for 100mm thickness of wall.

## 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
<b>Verticality</b>	
in any one storey	± 20 mm
in total height of building of three storeys or more	± 50 mm
vertical alignment	± 20 mm
<b>Straightness<sup>a</sup></b>	
in any one metre	± 10 mm
in 10 metres	± 50 mm
<b>Thickness</b>	
of wall leaf <sup>b</sup>	± 5 mm or ± 5 % of the leaf thickness whichever is the greater
of overall cavity wall	± 10 mm.
<sup>a</sup> Deviation from straightness is measured from a straight reference line between any two points.	
<sup>b</sup> 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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