United Kingdom of Great Britain and Northern Ireland

EDICT OF GOVERNMENT

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MAGNA CARTA (1297)
NATIONAL ANNEX

UK National Annex to Eurocode 2: Design of concrete structures –

Part 3: Liquid retaining and containment structures

ICS 91.010.30; 91.080.40
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National Annex (informative) to
BS EN 1992-3:2006, Eurocode 2: Design of
concrete structures – Part 3: Liquid retaining
and containment structures

Introduction
This National Annex has been prepared by BSI Subcommittee B/525/2,
Structural use of concrete. In the UK it is to be used in conjunction

NA.1 Scope
This National Annex gives:

a) the UK decisions for the Nationally Determined Parameters
described in the following subclauses of BS EN 1992-3:2006:

- 7.3.1 (111)
- 7.3.1 (112)
- 7.3.3
- 8.10.1.3 (103)
- 9.11.1 (102)

b) decisions on the status of BS EN 1992-3:2006 informative
annexes; and

c) references to non-contradictory complementary information.

NA.2 Nationally Determined Parameters
UK decisions for the Nationally Determined Parameters described in
BS EN 1992-3:2006 are given in Table NA.1.
Table NA.1  UK values for Nationally Determined Parameters described in BS EN 1992-3:2006

<table>
<thead>
<tr>
<th>Subclause</th>
<th>Nationally Determined Parameter</th>
<th>Eurocode recommendation</th>
<th>UK decision</th>
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</table>
| 7.3.1 (111) | Values of $w_k$ | For $h_{yo}/h \leq 5$, $w_{k1} = 0.2$ mm  
For $h_{yo}/h \geq 35$, $w_{k1} = 0.05$ mm  
For intermediate values of $h_{yo}/h$ linear interpolation between 0.2 and 0.05 may be used | Use the recommended values |
| 7.3.1 (112) | Value of $x_{min}$ | The lesser of 50 mm or $0.2h$ where $h$ is the element thickness | Use the recommended value |
| 7.3.3     | Maximum bar diameter and bar spacing | Figure 7.103N and Figure 7.104N | Use the recommended values |
| 8.10.1.3 (103) | Value of $\kappa$ | 0.25 | Use the recommended value |
| 9.11.1 (102) | Values of $t_1$ and $t_2$ | $t_1 = 120$ mm  
$t_2 = 150$ mm | Use the recommended values |

**NA.3 Decisions on the status of informative annexes**

BS EN 1992-3:2006, Annexes L, M and N may be used.

BS EN 1992-3:2006, Annex K should not be used. PD 6687-11), includes an alternative informative annex which should be used instead.

**NA.4 References to non-contradictory complementary information**

BS EN 1992-3 is concerned with the structural aspects of containment structures. Guidance on the design of non-structural features in such structures, and on inspection and testing, can be found in BS 8007 and this may be used where it does not conflict with the requirements of BS EN 1992.

*NOTE*  When all necessary non-contradictory complementary information has been published, BS 8007 will be withdrawn.


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Bibliography

Standards publications

For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 8007, Code of practice for design of concrete structures for retaining aqueous liquids

PD 6687-1, Background paper to the UK National Annexes to Eurocode 2, Parts 1 and 3

Other publications


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2) In preparation.

3) Available from CIRIA, Classic House, 174–180 Old Street, London EC1V 9BP.