

SINGAPORE STANDARD

**Singapore National Annex to Eurocode 4 :
Design of composite steel and concrete
structures**

– Part 1-2 : General rules – Structural fire design

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National Foreword

This National Annex was prepared by the Technical Committee on Building Structure and Sub-structure under the purview of the Building and Construction Standards Committee.

This standard is an adoption of the UK National Annex (NA to BS EN 1994-1-2:2005) to Eurocode 4 : Design of composite steel and concrete structures – Part 1-2: General rules – Structural fire design and is implemented with the permission of the British Standards Publishing Ltd.

Acknowledgement is made to BSI for the use of information from the above publication.

This Singapore NA contains information on those parameters which are left open in EN 1994-1-2 for national choice, known as nationally determined parameters. The Singapore NA is to be read in conjunction with the SS EN 1994-1-2 : 2009 – Eurocode 4 : Design of composite steel and concrete structures – Part 1-2 : General rules – Structural fire design.

Where appropriate, users may refer to the guidance and recommendation in BC 1:2008 'Design guide on use of alternative steel materials to BS 5950' published by the Building Construction Authority (BCA).

At the time of publication, this standard is expected to be used as a reference in the Building and Construction Authority's 'Approved Document – Acceptable Solutions'.

Attention is drawn to the possibility that some of the elements of this Singapore Standard may be the subject of patent rights. Enterprise Singapore shall not be held responsible for identifying any or all of such patent rights.

NOTE

- 1. Singapore Standards (SSs) and Technical References (TRs) are reviewed periodically to keep abreast of technical changes, technological developments and industry practices. The changes are documented through the issue of either amendments or revisions.*
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Singapore National Annex to Eurocode 4 : Design of composite steel and concrete structures – Part 1-2 : General rules – Structural fire design

NA.1 Scope

This National Annex gives:

- a) the Singapore decisions for the Nationally Determined Parameters described in the following subclauses of SS EN 1994-1-2:2009.
 - 1.1(16)
 - 2.1.3(2)
 - 2.3(1)P
 - 2.3(2)P
 - 2.4.2(3)
 - 3.3.2(9)
 - 4.1(1)P
 - 4.3.5.1(10)
- b) the Singapore decisions on the status of SS EN 1994-1-2:2009 informative annexes; and
- c) references to non-contradictory complementary information.