
National Annex to
Eurocode 5: Design of timber structures -
Part 1-2: General – Structural fire design

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Foreword

According to the provisions laid down in the Danish Building Regulations (BR07), the Regulations apply to all construction works, unless otherwise specified.

Scope

This National Annex lays down the conditions for the implementation of the Eurocode.

Contents

This National Annex specifies the national choices prescribed in Denmark.

The national choices may be in the form of nationally applicable values, an option between methods given in the Eurocode, or the addition of supplementary guidance.

This National Annex addresses:

- Clauses where national choices have been made;
- All clauses where national choices have been possible;
- Bibliography: Overview of all National Annexes prepared.
Clauses where national choices have been made

2.1.3(2) Maximum temperature rise during parametric fire exposure

For the second indent, the temperature rise should comply with the following:

- The average temperature rise of the unexposed side of the construction should be limited to $140^\circ C$ and the maximum temperature rise of the unexposed side should not exceed $180^\circ C$ during the decay phase.

2.3(1)P Partial factor $\gamma_M$ for strength and stiffness

The recommended value of $\gamma_M = 1.00$ has been chosen for Denmark.

2.3(2)P Partial factor $\gamma_M$ for mechanical resistances

The recommended value of $\gamma_M = 1.00$ has been chosen for Denmark.

2.4.2 Member analysis

The expressions in 2.4.2 are not applicable for timber structures as they address the load effect only, and no account is taken of the effect of load duration which particularly applies to timber structures. Due to the partial factors chosen in the example in Figure 2.1, the example is not applicable in Denmark.

4.2.1(1) Procedure for determining cross-sectional properties

Advanced calculation methods may be applied if they are well-documented, both by theory and by experiments.
### Overview of possible national choices

The list below identifies the clauses where national choices are possible and the applicable/not applicable informative annexes.

Furthermore, this National Annex refers to additional (non-conflicting) information that may be of assistance to the user of the Eurocode.

<table>
<thead>
<tr>
<th>Clause</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1.3(2)</td>
<td>Maximum temperature rise during parametric fire exposure</td>
</tr>
<tr>
<td>2.3(1)P</td>
<td>Partial factor $\gamma_M$ for strength and stiffness</td>
</tr>
<tr>
<td>2.3(2)P</td>
<td>Partial factor $\gamma_M$ for mechanical resistances</td>
</tr>
<tr>
<td>2.4.2(3)</td>
<td></td>
</tr>
<tr>
<td>4.2.1(1)</td>
<td>Method for determining cross-sectional properties</td>
</tr>
</tbody>
</table>
Bibliography

List of all National Annexes

EN 1990 DK NA:2007 National Annex to Eurocode 0 – Basis of structural design