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Ministry of Housing, Infrastructure and Outlying Districts

EN 1994-1-2 GL NA:2025

National Annex to

Eurocode 4: Design of composite steel and concrete structures

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Part 1-2: General rules – Structural fire design

Foreword

This Greenlandic National Annex (GL NA) is based on DS/EN 1994-1-2 DK NA:2011.

Scope

This Annex is adapted to national, geographical and climatic conditions as well as national legislation and specifies how EN 1994-1-2:2007 and subsequent corrigenda and amendments are to be applied in Greenland.

The Annex provides Greenlandic national choices.

The numbering in the Annex refers to the numbering in EN 1994-1-2:2007 or DS/EN 1994-1-2 DK NA:2011.



Overview of Greenlandic national choices and complementary information

DS/EN 1994-1-2 DK NA:2011 applies with the following deviations and additions:

Clause	Subject	Change
DK NA	References in DK NA	National choice
2.4.2(3)	Member analysis – Reduction factor for load combinations	National choice



National choices

References in DK NA

References in DS/EN 1994-1-2 DK NA:2011 to other Danish National Annexes are replaced by references to corresponding Greenlandic National Annexes. Where these do not exist, the Danish National Annexes apply.

2.4.2(3) Member analysis – Reduction factor for load combinations

NOTE 1 is replaced by:

NOTE 1: An example of the relationship between the reduction factor, η_{fi} , and the load factor, $Q_{k,1}/G_k$, is given in EN 1990 GL NA, A1.3.1(8).

NOTE 2 is replaced by:

NOTE 2: Where the ratio between the characteristic values of variable and permanent loads, Q_k/G_k , is $\geq 0,75$, a simplified value of $\eta_{fi} = 0,7$ may be applied, except for areas with imposed loads corresponding to Category E in accordance with EN 1991-1-1:2007, where $\eta_{fi} = 0,75$. For $Q_k/G_k < 0,75$, η_{fi} is determined according to Expressions (2.5a) and (2.5b) or EN 1990 GL NA, Figure A1.3.1 GL NA.

NOTE 3 The following note is added:

NOTE 3: Expressions (2.5a) and (2.5b) shall be used instead of Expression (2.5) in accordance with the national choice in EN 1990 GL NA when calculating load combinations in STR.