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Eurocode 2 Table of Concrete Design Properties. This minimum reinforcement is required in order to avoid brittle failure. Typically a larger quantity of minimum longitudinal reinforcement for crack control is required in accordance with EN1992-1-1 §7.3.2. For the secondary reinforcement of one-way slabs the minimum reinforcement is 20%...

Eurocode 2 Table of concrete design properties

1.1.2 Scope of Part 1-1 of Eurocode 2. (1)P Part 1-1 of Eurocode 2 gives a general basis for the design of structures in plain, reinforced and prestressed concrete made with normal and light weight aggregates together with specific rules for buildings. (2)P The following subjects are dealt with in Part 1-1.

EN 1992-1-1: Eurocode 2: Design of concrete structures

...

$f_{cm}(t) = f_{cm} \cdot \left[\frac{28}{t} \right]^s$. where $f_{cm}(t)$ is the mean compressive strength at an age of t days. $f_{cm} = \exp \left\{ s \left[1 - \left(\frac{28}{t} \right)^{1/2} \right] \right\}$ The coefficient s depends on type of cement: $s = 0,20$ for rapid hardening cement (Class R), $s = 0,25$ for normal hardening (Class N) and $s = 0,38$ for Class S (slow hardening) cement.

Eurocode 2: Design of concrete structures EN1992-1-1 Manual for Design and Detailing of Reinforced Concrete to the September 2013 Code of Practice for Structural Use of Concrete 2013. Usually the slenderness limits

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need be checked for inverted beams or bare beam (without slab). (v) Span Effective Depth ratio (Cl. 7.3.4.2 of the Code) Table 7.3 under Cl.

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