

European Standards for Reinforced Concrete

– Eurocode 2 for the design for strength, service and durability –

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ABSTRACT: The Structural Eurocodes of the European Communities establish requirements for building and civil engineering works in terms of reliability, adequate performance in service conditions and durability. For the achievement of these requirements, several steps are necessary in the design process. They are subject of Eurocode 2 "Design of Concrete Structures" and the European Standard EN 206 for concrete technology. The basic elements of this integrated design concept are described in the present paper, regarding in particular the requirements for reinforcing steel.

Keywords: European Standards for the Design of Concrete Structures, Design Working Life, Durability, Requirements for Reinforcing Steel (Strength, Ductility, Bond Properties), Prestressing Steel.

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