Download Free En 1998 Eurocode 8 Design Of Structures For Earthquake

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The Eurocode 8, Design Of Structures For Earthquake, is a set of standards that provide guidelines for the design and construction of buildings and civil engineering works in seismic regions. It is a key component of the European Union's Structural Design Code (EN 1990), which aims to ensure that structures are safe and durable, even in the face of significant seismic events.

The Eurocode 8 series is divided into several parts, each covering specific aspects of seismic design. Some of the most important parts include:

- **Part 1:** General rules, seismic actions and rules for buildings
- **Part 2:** Bridges
- **Part 3:** Assessment and Retrofitting of Structures
- **Part 4:** Silos, tanks and pipelines
- **Part 5:** Fire design
- **Part 6:** Geotechnical design

Each part of the Eurocode 8 series is designed to provide designers with the tools they need to assess and design structures that can withstand seismic events. The codes cover a wide range of topics, from the assessment of existing structures to the design of new buildings and civil works.

The Eurocode 8 series is based on a limit state design philosophy, which means that structures are designed to meet certain performance criteria in the event of seismic events. This approach allows for a more rigorous and comprehensive evaluation of the safety and durability of structures, compared to traditional design approaches.

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