

## Concrete Durability

A practical guide to the design of durable concrete structures

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### About the Book

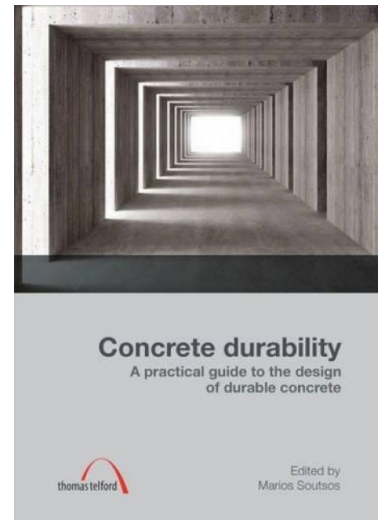
*Concrete Durability* is a comprehensive, practical guide for engineers involved in designing concrete structures of all types. Featuring contributions from leading practitioners and academics in the field, it combines a thorough but accessible exposition of the principles of durable concrete design with a practical, hands-on approach to its application in construction projects.

In recent years clients have begun to realise that much of the cost of maintaining concrete structures stems from problems relating to the durability of the concrete used, and construction companies are increasingly having to shoulder these costs. There is also growing demand for whole life costing of construction projects in environmental as well as economic terms. The information contained within this volume will help contribute to the design of structures that are not only more sustainable environmentally, but offer clients better long-term value for money.

*Concrete Durability* gives a comprehensive overview of durability design requirements, providing practitioners with the information they need to understand the likely causes of future deterioration to the concrete structures they are designing, and enable them to select materials, adopt new designs, or modify their existing designs, in order to minimise the risks arising from these deterioration mechanisms.

Key features:

- The only book to offer both technical and practical guidance to the design of durable concrete for reinforced concrete structures
- Illustrative case studies from the UK and rest of the world
- Expert advice from a mixture of leading consultants and academics



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