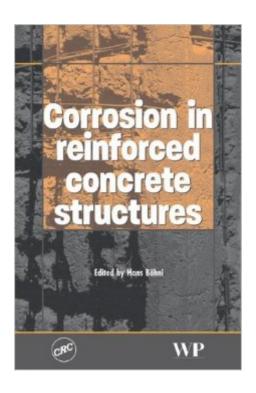
The book was found

Corrosion In Concrete Structures





Synopsis

An understanding of corrosion in concrete is an essential basis for enabling engineers to decide which structural techniques and building processes are most effective in improving the durability of new or existing concrete structures. In this authoritative new book the fundamental aspects of corrosion in concrete are analyzed in detail. An overview of current monitoring techniques together with a discussion of practical applications and current numerical methods that simulate the corrosion process provides the civil and structural engineer with an invaluable guide to best practice when it comes to design aimed at minimizing the effects of corrosion in concrete. The corrosion protective properties of concrete and modified cements are also discussed. The most frequently used stainless steels are examined together with an analysis of their reinforcement properties. Special attention is given to their handling and their welding requirements and the economics of their use. A comprehensive overview of surface treatments and corrosion inhibitors is presented alongside their practical applications as well as detailed coverage of electrochemical protection and maintenance techniques.

Book Information

Hardcover: 248 pages

Publisher: CRC Press; 1 edition (March 8, 2005)

Language: English

ISBN-10: 0849325838

ISBN-13: 978-0849325830

Product Dimensions: 9.5 x 6.4 x 0.7 inches

Shipping Weight: 14.5 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,403,114 in Books (See Top 100 in Books) #247 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #315 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Masonry #1223 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural

Download to continue reading...

Electrochemical Techniques in Corrosion Science and Engineering (Corrosion Technology)

Corrosion in Concrete Structures Black & Decker The Complete Guide to Concrete & Masonry, 4th

Edition: Build with Concrete, Brick, Block & Natural Stone (Black & Decker Complete Guide)

Corrosive Signs: Essays on Experimental Poetry (Visual, Concrete, Alternative) (Visual, Concrete,

Alternative) Marine Electrical and Electronics Bible: Fully Updated, with New Information on Batteries, Charging Systems, Wiring, Lightning and Corrosion ... GMDSS, GSP, Rada and Much More... Handbook of Cathodic Corrosion Protection, Third Edition US Army Technical Manual, CLEANING AND CORROSION CONTROL, VOLUME II, AIRCRAFT, TM 1-1500-344-23-2, 2005 Metal Corrosion in Boats Introduction to Corrosion Science Cathodic Protection: Industrial Solutions for Protecting Against Corrosion Concrete Structures Making Better Concrete: Guidelines to Using Fly Ash for Higher Quality, Eco-Friendly Structures Reinforced Concrete Structures: Analysis and Design, Second Edition Concrete Structures: Protection, Repair and Rehabilitation Formwork for Concrete Structures Starting Out with Java: From Control Structures through Data Structures (2nd Edition) (Gaddis Series) Java Software Structures: Designing and Using Data Structures Java Software Structures: Designing and Using Data Structures (3rd Edition) Starting Out with Java: From Control Structures through Data Structures (3rd Edition) Design and Analysis of Composite Structures: With Applications to Aerospace Structures

Dmca