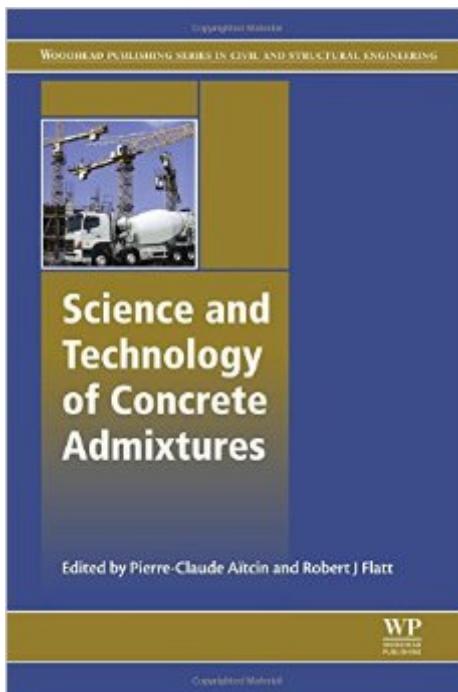


The book was found

Science And Technology Of Concrete Admixtures



Synopsis

Science and Technology of Concrete Admixtures presents admixtures from both a theoretical and practical point-of-view. The authors emphasize key concepts that can be used to better understand the working mechanisms of these products by presenting a concise overview on the fundamental behavior of Portland cement and hydraulic binders as well as their chemical admixtures, also discussing recent effects in concrete in terms of rheology, mechanics, durability, and sustainability, but never forgetting the fundamental role played by the water/binder ratio and proper curing in concrete technology. Part One presents basic knowledge on Portland cement and concrete, while Part Two deals with the chemical and physical background needed to better understand what admixtures are chemically, and through which mechanism they modify the properties of the fresh and hardened concrete. Subsequent sections present discussions on admixtures technology and two particular types of concrete, self-consolidating and ultra-high strength concretes, with final remarks on their future. Combines the knowledge of two leading authors to present both the scientific and technology of admixtures. Explains what admixtures are from a chemical point-of-view and illustrates by which mechanisms they modify the properties of fresh and hardened concrete. Presents a fundamental, practical, and innovative reference book on the topic. Contains three detailed appendices that can be used to learn how to use admixtures more efficiently.

Book Information

Hardcover: 666 pages

Publisher: Woodhead Publishing; 1 edition (October 25, 2015)

Language: English

ISBN-10: 0081006934

ISBN-13: 978-0081006931

Product Dimensions: 6.1 x 1.5 x 9.1 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,889,817 in Books (See Top 100 in Books) #197 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #354565 in Books > Textbooks

[Download to continue reading...](#)

Science and Technology of Concrete Admixtures Concrete Admixtures (Cws) Concrete Technology (Trade, Technology & Industry) 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) Science and Technology in the Global Cold War (Transformations: Studies in the History of Science and Technology) Food Packaging Science and Technology (Packaging and Converting Technology) Robotics: The Beginner's Guide to Robotic Building, Technology, Mechanics, and Processes (Robotics, Mechanics, Technology, Robotic Building, Science)

Fashionable Technology: The Intersection of Design, Fashion, Science, and Technology Nanoscale Technology for Advanced Lithium Batteries (Nanostructure Science and Technology) Information Sources in Science and Technology (Library and Information Science Text) Information Sources in Science and Technology, 3rd Edition (Library and Information Science Text (Paperback)) The Science of Science Policy: A Handbook (Innovation and Technology in the World E) 3D Printed Science Projects: Ideas for your classroom, science fair or home (Technology in Action) Weapons of Mass Destruction: An Encyclopedia of Worldwide Policy, Technology, and History; Volume I: Chemical and Biological Weapons and Volume II: ... Technology, and History (2 volume set)

Framing Production: Technology, Culture, and Change in the British Bicycle Industry (Inside Technology) Autonomous Vehicle Technology: A Guide for Policymakers (Transportation, Space, and Technology Program) Foundations of Educational Technology: Integrative Approaches and Interdisciplinary Perspectives (Interdisciplinary Approaches to Educational Technology) Reeds Vol 14: Stealth Warship Technology (Reeds Marine Engineering and Technology Series) Transform Circuit Analysis for Engineering and Technology (Electronic Technology)

[Dmca](#)