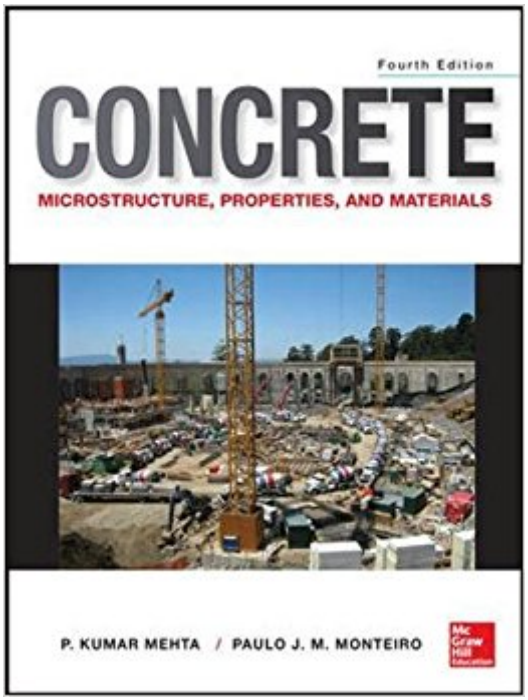
Concrete: Microstructure, Properties, And Materials (Mechanical Engineering)



Synopsis

THE MOST COMPREHENSIVE AND CURRENT GUIDE TO THE PROPERTIES, BEHAVIOR, AND TECHNOLOGY OF CONCRETE This thoroughly updated edition contains new information on: Recently built construction projects worldwide Shrinkage-reducing admixtures Self-consolidating concrete, pervious concrete, internal curing, and other cutting-edge innovations Modeling of ice formation and alkali-aggregate reaction in concrete Environmental impact of concrete Each chapter begins with a preview of the contents and ends with a self-test and a guide for further reading. More than 300 drawings and photographs illustrate the topics discussed in this definitive text on concrete. Comprehensive coverage includes: Microstructure of concrete Strength Dimensional stability Durability Hydraulic cements Aggregates Admixtures Proportioning concrete mixtures Concrete at early age Nondestructive methods Progress in concrete technology Advances in concrete mechanics Global warming and concrete in the future

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Customer Reviews

P. Kumar Mehta, Ph.D., is Professor Emeritus, Civil and Environmental Engineering, at the University of California at Berkeley. The recipient of the Berkeley CitationÃ¢â ¬â ¢the highest honor for contributions to his field and to the University--Dr. Mehta is an Honorary Member of the American Concrete Institute (ACI) and is a member of its Committee on Sustainable Development.

Paulo J. M. Monteiro, Ph.D., is Roy W. Carlson Distinguished Professor, Department of Civil Engineering, University of California at Berkeley and Faculty Scientist, Department of Materials, Lawrence Berkeley Laboratory. Dr. Monteiro is a Member of the American Society of Civil Engineers (ASCE) and of the American Concrete Institute (ACI). He has authored and co-authored numerous journal articles, conference proceedings, and reports in addition to having co-authored the Second and Third editions of Concrete: Structure, Properties, and Materials.

My professor co-authored this book and I must say there's absolutely nothing wrong with this text. All examples, concepts and esoteric language is explained and it makes you dream about Concrete (it did for me).My suggestion is try to make a very simple way to identify key terms in each chapter and write that in the front of the chapter. For example, for strength chapter, write down the terms: w/c, ITZ, Agg size and grade, Agg Elastic Modulus, porosity and relate these terms to strength of concrete.

Complete book on the topic concrete made by scientists from Berkeley Engineering School the most important in the USA. A book to be owned by concrete technologists.

Great reference.

Excellent book. Heavy technical stuff has been presented in a lucid and easy to read manner.

Just the best book so far about concrete. Everything you need to know is written in this fantastic compilation. There is just one negative thing: the price.

I'm satisfied with the book.

Complete set of concrete knowledge! If you want to learn concrete, that's the book.

100% pure gold

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