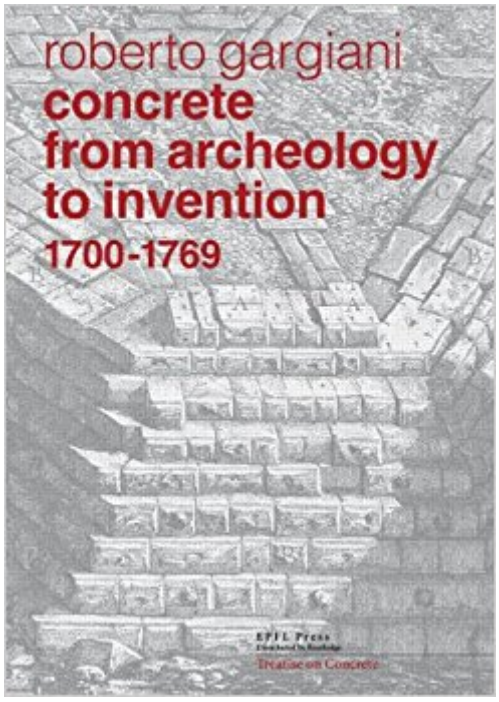
Ebook Directory
the best source of ebook

The book was found

Concrete, From Archeology To Invention, 1700Ã¢â‚¬â€œ1769: The Renaissance Of Pozzolana And Roman Construction Techniques (Treatise On Concrete)



PDF
Adobe
DOWNLOAD EBOOK

Synopsis

The reemergence in the early eighteenth century of the technology and use of concrete provide the starting point for this first volume of the Treatise on Concrete. In this book are described and analyzed, for the first time, the various contributions that led to the rediscovery of concrete made by the specialists of the period, from chemists to volcanologists; from engineers to architects and construction workers; from inventors to archaeologists and even men of letters. The book traces the various criteria for concrete production using local materials, from hydraulic lime to pozzolana and trass, as well as how the technique of casting concrete in formwork developed from construction-site practices that had survived locally from the times of ancient Rome. The subjects of the book include the transport of Roman pozzolana with which Italian, French, English or Danish engineers built grandiose offshore concrete structures; the genealogy of techniques for manufacturing wood formwork for foundations at sea, in rivers and above ground; the description of the various formwork systems invented to pour concrete in water; the research conducted by chemists on lime and pozzolana that led to the development of concrete; the invention of artificial stone, obtained using various types of cement; and the series of fantastic archaeological findings about the concrete structures of antiquity, which, even if sometimes baseless, nevertheless helped build confidence that this material could be invented. Finally, several great personalities in the history of architecture, such as Piranesi or Soufflot, are presented in a new light and are shown to be vital players in the affirmation of concrete in the eighteenth century. Thus emerges the first entry of a new history of concrete, one that will provide the essential principles needed to understand how the manufacturing methods discovered between the late eighteenth and early nineteenth century emerged and led to the production of this mythical material. This new history of concrete is clearly of present-day interest, specifically in the context of recent research which aims to encourage concrete production using local materials, including volcanic constituents such as pozzolana Ã¢â ¬â œ exactly as it was fabricated during the eighteenth century.

Book Information

Series: Treatise on Concrete
Hardcover: 404 pages
Publisher: Routledge; 1 edition (August 5, 2014)
Language: English
ISBN-10: 0415833469
ISBN-13: 978-0415833462

Product Dimensions: 1 x 7 x 9.5 inches

Shipping Weight: 2.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,015,536 in Books (See Top 100 in Books) #98 inÃ Â Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #442 inÃ Â Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials #975 inÃ Â Books > Textbooks > Engineering > Civil Engineering

Customer Reviews

Roberto Gargiani obtained his degree at the University of Architecture in Florence in 1983 and completed his Ph.D. on the history of architecture and urbanism in 1992. He has taught the history of architecture in Florence, Rouen, Paris, Venice and Rome. He is now Professor of history of architecture and construction at the Ãƒâ cole Polytechnique FÃƒÂ©dÃƒÂ©rale de Lausanne (EPFL).

Download to continue reading...

Concrete, From Archeology to Invention, 1700Ã¢â ¬â œ1769: The Renaissance of Pozzolana and Roman Construction Techniques (Treatise on Concrete) Perspectives on the Renaissance Medal: Portrait Medals of the Renaissance (Garland Studies in the Renaissance) Diplomacy in Black and White: John Adams, Toussaint Louverture, and Their Atlantic World Alliance (Race in the Atlantic World, 1700Ã¢â ¬â œ1900 Ser.) Diplomacy in Black and White (Race in the Atlantic World, 1700Ã¢â ¬â œ1900 Ser.) Aspen Student Treatise for Constitutional Law: Principles and Policies (Aspen Student Treatise Series) The White Treatise and The Black Treatise (The Books of Sorcery, Vol. 2) (Exalted) Aspen Student Treatise for Introduction To United States International Taxation (Aspen Student Treatise Series) Treatise on the Subject of Fencing: Marco Docciolini?s 1601 Fencing Treatise Treatise on Pulmonary Toxicology, Volume I: Comparative Biology of the Normal Lung (Discontinued (Treatise on Pulmonary Toxicology)) Grace Hopper and the Invention of the Information Age (Lemelson Center Studies in Invention and Innovation series) Summary - The Invention Of Wings: Novel By Sue Monk Kidd --- An Incredible Summary (The Invention Of Wings: An Incredible Summary-- Paperback, Hardcover, Summary, Audible, Novel, Audiobook Book 1) Construction Contract Dispute and Claim Handbook, Introduction, and Division 01: A Primer on the Nature of Construction Contract Disputes for Attorneys, ... (Construction Contract Dispute Handbook) 2016 National Construction Estimator (National Construction Estimator) (National Construction Estimator (W/CD)) Galileo, Michelangelo and Da Vinci: Invention and Discovery in the

Time of the Renaissance A Tour of the Hudson, the Mohawk, the Susquehanna, and the Delaware in 1769 A Journey from Prince of Wales's Fort in Hudson's Bay to the Northern Ocean in the Years 1769, 1770, 1771, 1772 New Edition with Introduction, Notes, and Illustrations Fencing: A Renaissance Treatise The Royal Diaries: Marie Antoinette, Princess of Versailles, Austria-France, 1769 (The Royal Diaries) The Royal Diaries: Marie Antoinette: Princess of Versailles, Austria-France, 1769 Wellington: The Path to Victory 1769-1814

Contact Us

DMCA

Privacy

FAQ & Help