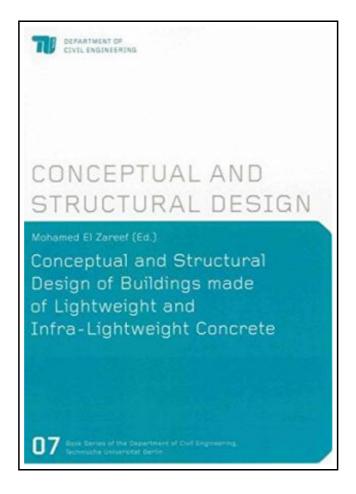
Conceptual and Structural Design of Buildings made of Lightweight and Infra-Lightweight Concrete



Filesize: 9.63 MB

Reviews

Extensive manual for publication fans. It is actually filled with knowledge and wisdom You can expect to like how the author compose this pdf.

(Alvina Runte PhD)

CONCEPTUAL AND STRUCTURAL DESIGN OF BUILDINGS MADE OF LIGHTWEIGHT AND INFRA-LIGHTWEIGHT CONCRETE



Shaker Verlag Mai 2010, 2010. Buch. Book Condition: Neu. 24x17x cm. Neuware - Sometimes the need to reduce the weight of a structural element is not less important than increasing its strength, especially in heavy structures such as tall buildings and bridges where the structure's weight is one of the main problems that faces the designers. In spite of the increasing use and demand of Lightweight Concrete (LWC), the conceptual and structural design aspects for buildings made from LWC and Infra-Lightweight Concrete (ILWC) have not been adequately explained. Issues such as element dimensions, connections, and reinforcement types and details as well as shortand long-term deformations and dynamic behaviour for LWC structures should be covered in uptodate codes. Therefore, this study deals with conceptual and structural design of buildings made from LWC and ILWC and generally consists of two main objectives: - Development and production of new mixtures for LWC and ILWC with minimized dry density and very good mechanical and physical properties. - The ability to apply and involve these new materials in the construction field through intensive series of experimental tests on different structural elements and connections under static and dynamic loads. In order to achieve the first objective in the study, two targets were defined, the first: fair-faced ILWC for walls with minimum dry density (Pmin < 800 kg/m), minimum thermal conductivity enough to eliminate the heat insulation materials, and maximum strength enough to resist the vertical bearing stress from floors. The second target: fair-faced LWC for construction of floor slabs and beams with minimum dry density, minimum thermal conductivity and maximum strength enough to resist flexural and shear stresses comparable to normal concrete (NC). Once the ILWC and LWC materials were developed and their mechanical and physical properties were determined, a series of large-scale experiments was...

Read Conceptual and Structural Design of Buildings made of Lightweight and Infra-Lightweight Concrete Online

Download PDF Conceptual and Structural Design of Buildings made of Lightweight and Infra-Lightweight Concrete

See Also



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

Download ePub »



Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success

Brookes Publishing Co. Paperback. Book Condition: new. BRAND NEW, Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success, Eva M. Horn, Susan B. Palmer, Gretchen D. Butera, Joan A. Lieber, How...

Download ePub »



Hands Free Mama: A Guide to Putting Down the Phone, Burning the To-Do List, and Letting Go of Perfection to Grasp What Really Matters! (Paperback)

ZONDERVAN, United States, 2014. Paperback. Book Condition: New. 211 x 137 mm. Language: English . Brand New Book. Rachel Macy Stafford's post The Day | Stopped Saying Hurry Up was a true phenomenon on...

Download ePub »



You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most

Sourcebooks, Inc. Paperback / softback. Book Condition: new. BRAND NEW, You Shouldn't Have to Say Goodbye: It's Hard Losing the Person You Love the Most, Patricia Hermes, Thirteen-year-old Sarah Morrow doesn't think much of the...

Download ePub »



Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age

Adams Media Corporation. Paperback. Book Condition: new. BRAND NEW, Unplug Your Kids: A Parent's Guide to Raising Happy, Active and Well-Adjusted Children in the Digital Age, David Dutwin, TV. Web Surfing. IMing. Text Messaging. Video...

Download ePub »



31 Moralistic Motivational Bedtime Short Stories for Kids: 1 Story Daily on Bedtime for 30 Days Which Are Full of Morals, Motivations Inspirations (Paperback)

Createspace, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Reading to children is a wonderful activity and past time that both parents

Download Document »



The Preschool Inclusion Toolbox: How to Build and Lead a High-Quality Program (Paperback)

Brookes Publishing Co, United States, 2015. Paperback. Book Condition: New. 274 x 213 mm. Language: English . Brand New Book. Filled with tips, tools, and strategies, this book is the comprehensive, practical toolbox preschool administrators

Download Document »



Never Invite an Alligator to Lunch! (Paperback)

Lucky Me Publishing, LLC, United States, 2015. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. NEVER Invite an Alligator to Lunch! delivers a fun,

Download Document »



Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition)

SAGE Publications Ltd. Paperback. Book Condition: new. BRAND NEW, Environments for Outdoor Play: A Practical Guide to Making Space for Children (New edition), Theresa Casey, 'Theresa's book is full of lots of inspiring, practical, 'how

Download Document »



No Friends?: How to Make Friends Fast and Keep Them (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****. Do You Have NO Friends? Are you tired of not having any

Download Document »