

Building Materials

By P.C. Varghese



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In recent times, as more and more emphasis is being placed on analysis and design, and therefore the need and the importance of the subject Building Materials, Engineering Materials and Construction Materials. Others have substituted it by Material Science or Building Physics, molecular structure of the material being given more emphasis than material behaviour.

This book is written in user-friendly manner, and lays emphasis on various types of building materials and building constructions - from traditional to contemporary. It elaborates on the classification of various building materials, uses and applications giving their detailed analysis. This book is suitable for the students of Civil Engineering.



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Editorial Review

About the Author

P.C. Varghese, M.S.; M.Engg. (Harvard); Ph.D., is a distinguished teacher, a well-known consultant and an established author. He had his postgraduate education in soil mechanics at Harvard University, USA (under Professor Terzaghi and Professor Casagrande) and also in reinforced concrete design at Imperial College, London (under Professor A.L.L. Baker). As a teacher, he worked as one of the founding faculty member of three well-known universities-IIT Kharagpur, IIT Madras and University of Maratuwa, Sri Lanka (here, he also served as UNESCO Chief Technical Advisor). He has good field experiences as Assistant Soil Specialist, Hirakud Dam Project in Odisha, Construction Engineer at IIT Kharagpur and UNCHS Advisor to Buildings Department, Sri Lanka. As an author, he has written a number of textbooks in the field of Civil Engineering after his retirement while working as Honorary Visiting Professor, College of Engineering, Guindy, Anna University, Chennai, India. Including the present book, he has written nine books-Building Construction, Foundation Engineering, Design of Reinforced Concrete Foundations, Engineering Geology for Civil Engineers, Limit State Design of Reinforced Concrete, 2nd ed., Advanced Reinforced Concrete Design, 2nd ed., Design of Reinforced Concrete Shells and Folded Plates, Maintenance, Repair & Rehabilitation and Minor Works of Buildings

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