



Concrete Technology, 1/e

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About the Book

The book is intended to help students of civil engineering and practicing civil engineers to understand the theoretical and practical aspects of concrete technology. It includes the latest specifications and regulations of Indian Standards (IS) for concrete construction and mix design. The book includes 17 chapters covering introduction to concrete structures, properties and requirements of constituents of concrete including the role of various admixtures to get special properties. The properties of fresh concrete and hardened concrete and the method of testing them as per IS codes are explained in detail with neat sketches. The concrete mix design procedure as per latest IS provisions of IS 10262:2009 is explained and illustrated with examples for normal concrete as well as for fly ash mixed concrete. Concreting under challenging environments, quality control and repairs and rehabilitation of concrete structures are discussed thoroughly.

Salient Features

- ▶Covers the theory with simple and precise explanation
- ▶Text illustrated with generous use of diagrams, latest photographs and tables
- ▶Incorporates mix design procedure as per IS 10262:2009
- ▶Quality control of concrete explained systematically
- ▶Repair and rehabilitation of concrete structures is illustrated in detail

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About the Author

S.S Bhavikatti :- Dr. S.S. Bhavikatti studied at BVB College of Engineering and Technology, Hubli for his BE (Civil) degree and graduated from Karnataka University, Dharwad in 1963 sharing first rank with another candidate. The same year he joined Karnataka Regional of Engineering College (presently NITK) Surathkal, as a teacher. He secured M.E. degree in Structural Engineering in 1967 from University of Roorkee,

Roorkee (presently IIT Roorkee) under Technical Teachers Training Programme and Ph.D. degree in 1977 from IIT Delhi under Quality Improvement Programme. He served NITK in different capacities like Head of Civil Engineering Department, Chairman, Centre for Continuing Education, Chairman Central Computer Centre and Dean (Administration). From November 2001 to November 2005, he served at SDM College of Engineering and Technology, Dharwad. He then served RYMEC, Bellary as Principal upto September 2007. Presently he is working as Emeritus Professor at BVB College of Engineering and Technology. He has published 61 technical papers and 28 books. He has guided 68 students for M.Tech dissertation and 5 students for Ph.D. He was member of organizing scientific committee of international seminars organized by IASS held at Taegue (South Korea) in 1990, Tokyo (Japan) in 1993 and Taipei (Taiwan) in 1997. He is member of several Indian and International professional bodies and several technical committees appointed by Government of Karnataka.