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Handbook on Advanced Concrete Technology

By N.V. Nayak & A.K. Jain (Eds)

Narosa Publishing House, 2012. Hardcover. Condition: New. 5th or later edition. HAND BOOK ON ADVANCED CONCRETE TECHNOLOGY provides updated information on materials and other aspects of concrete. It covers all types of concretes: Normal, High Strength, Self Compacting Concrete; Light weight, Heavy weight, Porous, Underwater Concrete; Cold, Hot Weather Concrete; Fibre Reinforced, Polymer, Roller Compacted Concrete; Foam, Acid Resistance Concrete and their characteristics. It provides guidelines on production, placement, compaction, curing, testing including Non-destructive Testing and Repairs of Concrete. This Handbook consolidates in a single volume various types of concrete, experience and insights of experts of concrete technology and will help in production of durable, economical and sustainable concrete. Table of Contents Foreword / Preface / Acknowledgements / Cement / Mineral Admixtures / Water / Coarse Aggregate / Fine Aggregate / Manufactured Sand as Fine Aggregate / Use of Copper Slag as Fine Aggregate in Concrete / Chemical Admixture / Concrete Mix Proportioning / Concrete Production and Supply / Placing, Compaction and Curing of Concrete / Shrinkage and Creep / Strength and Durability of Concrete / Reinforcement Cover and Corrosion / Concrete Resistance to Sulphate Attack / Alkali Silica Reaction / High Strength and High Performance Concrete / Self Compacting...

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