

Against Deterioration, (2) Assessing Structural Condition, (3) Repair Materials, (4) Repair Methodology, (5) Durability of Rehabilitation, (6) Initial and Life-Cycle Costing, and (7) Contract Management.

Editing of the volumes is excellent. Each of the papers start with an abstract, followed by a keyword list. A short annotation of the authors' affiliation, position, main field of interest, etc. is a welcome addition; the running headlines, giving author names and a short title, facilitate the readers' orientation. Volumes are closed with detailed author and subject indexes. Interesting topics, clear subject identification, and the versatility of contents all show that concrete is really a servant of mankind. This 5-volume set, with more than 350 papers written by authors from 70 countries, is an important addition to all those dealing with concrete.

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Progress in Cement: Testing and Quality Control in Cement Industry, Volume 3.
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S.N. Ghosh, Chief Editor.

This is the latest volume in the series published under the title "Progress in Cement and Concrete." Dedicated to testing and quality control aspects in the cement plants, Vol. 3 is a mirror of the latest techniques and tools that would be used by the cement manufacturer of the future.

The chapters cover vital topics like chemical testing, physical testing, zeolite cement, ISO-09000, European certification, and corrosion of steel in concrete structures. Chapters and data have also been included for optical microscopy, particle size distribution, X-ray fluorescence spectrometry, cement packaging, and clinker composition. The volume contains the latest quality control techniques like XRF Analysis, Gaussian distribution, quality control in mining operations, and a chapter on electro-conducting cementitious materials.

Quality control in a process is required not only for the testing of the finished or intermediate products, but also for the research and development that should rather be adjusted to develop new procedures to describe quality attributes such as the quantitative clinker phase analysis, which could possibly be involved in the process of quality control one day. This volume also contains interesting presentations about the new developments of testing techniques and their deployment to improve and optimize product properties. All in all, this compendium intends to inform researchers and quality controllers in the cement industry worldwide about the latest state of quality assurance and tends to encourage future developments in this field.

The volume embodies results and data of research carried out by renowned professionals, plant technologists, and quality control professionals. It is an excellent reference material for plant engineers, a provocative compendium for researchers, and a useful guide for students in the field of cement technology. The whole series provides excellent reference books for materials science, civil engineering, mineral science, and allied fields.