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Altri autori (Persone)	RamachandranV. S BeaudoinJ. J
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Sommario/riassunto

Measuring the long-term durability of new types of concrete and concrete technologies is crucial to their acceptance in the marketplace. This long-needed handbook of analytical techniques provides a complete reference to the cutting-edge procedures used to test today's innovative materials. Ranging from chemical and thermal analysis, to IR and Nuclear Magnetic Resonance spectroscopy, to Scanning Electron Microscopy, x-ray diffraction, computer modeling and more, the book provides first-hand explanations of modern methods contributed by 24 leading scientists, many of whom actually devel