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Titolo	Cracking Control on Early-Age Concrete Through Internal Curing [[electronic resource] /] / by Dejian Shen
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Descrizione fisica	1 online resource (348 pages)
Disciplina	620.1366
Soggetti	Building materials Fire prevention Buildings—Protection Building Materials Structural Materials Fire Science, Hazard Control, Building Safety
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- Internal relative humidity of early-age internally cured concrete -- Autogenous shrinkage of early-age internally cured concrete -- Tensile creep of early-age internally cured concrete with SAPs.
Sommario/riassunto	This monograph is written based on the author's research on the assessment, control, and repair of cracking of early-age concrete in the recent decade. The technique of internal curing for increasing cracking resistance of early-age concrete is further developed through experimental and theoretical research. It establishes models for predicting the internal relative humidity and autogenous shrinkage of internally cured concrete at early age; reveals the variation law and mechanism of early-age tensile creep of internally cured concrete; and explores the variation law and mechanism of early-age cracking resistance of internally cured concrete under continuous restrained condition or uniaxial restrained condition. It is designed as a reference work for professionals or practitioners and a textbook for undergraduates or postgraduates. As such, this book provides valuable knowledge, useful methods, and practical experience that can be

considered in the field of concrete cracking control.
