CODE REQUIREMENTS FOR REINFORCED CONCRETE CHIMNEYS—ACI 307-08

This code provides material, construction, and design requirements for cast-in-place and precast reinforced concrete chimneys. It sets forth minimum loadings for design and contains methods for determining the concrete and reinforcement required as a result of these loadings. The method of analysis applies primarily to circular chimney shells; however, a general procedure for analysis of noncircular shapes is included. Available in hard copy or PDF format.

Order Code: 30708.CI
Pages: 30
Prices: Contact ACI for pricing

NANOTECHNOLOGY OF CONCRETE: RECENT DEVELOPMENTS AND FUTURE PERSPECTIVES—SP-254

This publication consists of ten papers that were presented at a technical session sponsored by ACI Committee 236, Materials of Science of Concrete, at the ACI Fall 2006 Convention in Denver, CO. Papers include “Nanotechnology in Construction: A Roadmap for Development,” “Nanotechnology and Concrete: Research Opportunities,” “Molecular Engineering of the Cohesion in Neat and Hybrid Cement Hydrates,” and “Use of Atomic Force Microscopy and Nanoindentation for Characterization of Cementitious Materials at the Nanoscale.”

Order Code: SP254.CI
Pages: 164
Prices: $79.50 (ACI members $48.00)

INTERNAL CURING OF HIGH-PERFORMANCE CONCRETES: LABORATORY AND FIELD EXPERIENCES—SP-256 CD-ROM

This CD-ROM consists of nine papers that were presented in two technical sessions sponsored by ACI Committee 236, Materials Science of Concrete, and ACI Committee 231, Properties of Concrete at Early Ages, at the ACI Fall 2007 Convention in Fajardo, Puerto Rico. Papers include “Autogenous Elimination of Autogenous Shrinkage,” “Internal Curing Study with Intermediate Lightweight Aggregate,” “Pre-Soaked Lightweight Fine Aggregate as Additives for Internal Curing in Concrete,” and “Internal Curing—Real World Ready Mix Production and Applications: A Practical Approach to Lightweight Modified Concrete.”

Order Code: SP256CD.CI
Format: CD-ROM
Prices: $56.50 (ACI members $34.00)

FRP STAY-IN-PLACE FORMS FOR CONCRETE STRUCTURES: RESEARCH ACTIVITIES AND FIELD APPLICATIONS—SP-257 CD-ROM

This CD-ROM consists of eleven papers that were presented in two special sessions sponsored by ACI Committee 440 at the ACI Spring Convention in Los Angeles, CA, on March 31, 2008. The technical papers presented at the sessions cover both open and closed FRP forms, including bridge decks, concrete-filled tubes, and girders, and address important relevant aspects such as surface preparation, bond aspects, fatigue, constructibility, confinement, and field applications.

Order Code: SP257CD.CI
Format: CD-ROM
Prices: $65.50 (ACI members $40.00)