

TECHNICAL DOCUMENTS

ACI 544.4R-18: Guide to Design with Fiber-Reinforced Concrete

This guide provides practicing engineers with simple, yet appropriate, design guidelines for FRC in structural and nonstructural applications. Standard tests are used for characterizing the performance of FRC and the results are used for design purposes, including flexure, shear, and crack-width control. **(Free to ACI Members)**

ACI 550.5M-18: Code Requirements for the Design of Precast Concrete Diaphragms for Earthquake Motions (Metric)

This standard describes code requirements for the design of precast concrete diaphragms subject to earthquake motions where used under the design provisions of ASCE/SEI 7-16 Section 12.10.3 and ACI 318M.

ACI 549.1R-18: Design Guide for Ferrocement

This guide provides technical information on physical and mechanical properties, design criteria, and testing of ferrocement. **(Free to ACI Members)**

Durability and Sustainability of Concrete Structures (DSCS-2018) (SP-326)

This symposium volume is a compilation of selected papers from “Durability and Sustainability of Concrete Structures – DSCS-2018.” This major forum brought together more than 150 experts from almost 40 countries of the world.

Shear in Structural Concrete (SP-328)

This Symposium Volume reports on the latest information related to shear in structural concrete. The volume contains 14 papers that were presented at the ACI Concrete Convention and Exposition held in Salt Lake City, UT, on March 27, 2018.

ACI UNIVERSITY ONLINE COURSES

On-Demand Course: Un-Shored Composite Slabs on Metal Deck—Challenges to Achieving Level Floor Elevations

Learning Objectives:

1. Describe construction challenges relating to constructing a level floor.
2. Summarize effective specification requirements for un-shored composite slabs on metal deck.
3. Discuss fabrication and erection tolerances for composite floor construction.
4. Compare design options to mitigate the impact of deflection

of composite concrete on metal deck floor slabs.

Continuing Education Credit: 0.1 CEU (1.0 PDH)

On-Demand Course: Innovation in Concrete Construction: Off World Concrete

Learning Objectives:

1. Connect problem solving and innovation.
2. Recognize the role collaboration plays in advancing innovation.
3. Explain the role ACI plays in bringing new technology to the market.
4. Recognize how additive manufacturing concrete technology shapes new and different performance requirements of the concrete.

Continuing Education Credit: 0.1 CEU (1.0 PDH)



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