

TECHNICAL DOCUMENTS

364.15T-18: TechNote: Significance of the Shrinkage-Compensating and Nonshrink Labels on Packaged Repair Materials

The terms “shrinkage-compensating” and “nonshrink” are both intended to describe materials that exhibit no or little net contraction as a result of shrinkage. In practice, however, these terms are of limited use in the selection of repair materials without supporting test data on time-dependent volume changes.

ACI UNIVERSITY ONLINE COURSES

On-Demand Course: Concrete Field Testing Technician Grade I Certification Training (with ASTM Standards) (2018)

This on-demand course contains six modules that prepare you for the ACI Concrete Field Testing Technician - Grade I Certification exam. There are two versions of this course: with or without the ASTM standards documents.

Continuing Education Credit: 0.475 CEU (4.75 PDH)

On-Demand Course: Concrete Field Testing Technician Grade I Certification Training (without ASTM Standards) (2018)

This on-demand course contains six modules that prepare you for the ACI Concrete Field Testing Technician - Grade I Certification exam. There are two versions of this course: with or without the ASTM standards documents.

Continuing Education Credit: 0.475 CEU (4.75 PDH)

On-Demand Course: Design of Concrete Elements Using High-Strength Reinforcement

Learning Objectives

1. Describe the advances steel reinforcement is making to create new higher-strength materials and describe possible advantages in design and cost of replacing normal Grade 60 steel with higher Grade steel in member design.
2. Identify the steel reinforcement grades currently permitted today for flexural, axial, shear, torsion, temperature and shrinkage reinforcement applications, and explain the effect of higher grades of steel on concrete beam and column designs for seismic and non-seismic design applications.
3. Describe the 0.2 percent offset method that is now part of the ACI 318-14 code and how this test method changes the measured yield strengths of Grade 80 and Grade 100 steel.

4. Describe how higher-strength reinforcement products can improve concrete designs and concrete construction by reducing reinforcement bar congestion.

Continuing Education Credit: 0.1 CEU (1 PDH)

On-Demand Course: Innovation in Concrete Construction: How It Happens and Why It Benefits Us All

Learning Objectives

1. Define innovation.
2. Connect problem-solving and innovation.
3. Recognize the role collaboration plays in advancing innovation.
4. Understand the role ACI plays bringing new technology to the market.
5. Recognize the means and value in building concrete industry capacity to respond to and address innovation in the marketplace.

Continuing Education Credit: 0.1 CEU (1 PDH)

On-Demand Course: Overview of ACI 330.2R-17 “Guide for the Design and Construction of Concrete Site Paving for Industrial and Trucking Facilities”

Learning Objectives

1. Explain differences between designing commercial parking lots and industrial heavy traffic parking lots (ACI 330R-08 and 330.2R-17, respectively).
2. Describe the importance of a proper pavement support system for industrial and trucking facilities.
3. Recall design variables and how to use them to select proper pavement thickness for industrial and trucking facilities.
4. Identify proper jointing details for concrete site paving.

Continuing Education Credit: 0.1 CEU (1 PDH)

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