

TECHNICAL DOCUMENTS

The 13th International Symposium on Fiber-Reinforced Polymer Reinforcement for Concrete Structures (SP-327)

The aim of this document is to help practitioners implement FRP technology while providing testimony that design and construction with FRP materials systems is rapidly moving from emerging to mainstream technology.

ACI UNIVERSITY ONLINE COURSES

On-Demand Course: ACI 563 – At Last, Specifications for Concrete Repair

Learning Objectives:

1. Summarize how ACI 301 (Specifications for Structural Concrete) and ACI 563 (Specifications for Repair of Concrete in Buildings) differ;
2. Identify characteristics of a good specification and the importance of tailoring your concrete repair specifications to fit the project;
3. Specify acceptance criteria and what criteria are useful in concrete repair; and
4. Discuss the differences between specifying conventional versus proprietary repair materials.

Continuing Education Credit: 0.1 CEU (1.0 PDH)

On-Demand Course: Basics of Making and Placing Concrete

Learning Objectives:

1. Explain the importance and applications of concrete.
2. Describe the standard components of a concrete mixture.
3. Explain the properties of fresh and hardened concrete.
4. Understand the importance of properly batching and mixing concrete.
5. Describe the importance of curing and various curing techniques.

Continuing Education Credit: 0.1 CEU (1.0 PDH)

On-Demand Course: ACI 562 Repair Code

Learning Objectives:

1. The objective of a concrete repair code is to produce a document that provides a uniform set of requirements that is flexible and addresses the overall repair issues such as conventional reinforced concrete, prestressed concrete, or fiber-reinforced polymer repair methods.
2. Determine what design code should be implemented for the assessment and repair or strengthening of an existing structure.

3. Understand how to evaluate and determine if a structure is in compliance with the original design code and if it is safe.
4. Ensure that new members added and their connections to an existing structure are based on the current building code.


Continuing Education Credit: 0.1 CEU (1.0 PDH)

On-Demand Course: Durability—How Do We Measure It?

Learning Objectives:

1. Define durability.
2. Explain how exposure classes in ACI 318 and ACI 350 are used to design durable structures.
3. Identify common durability tests for freezing-and-thawing and alkali-aggregate reactivity.
4. Discuss the concept of a durability standard.

Continuing Education Credit: 0.1 CEU (1.0 PDH)



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