

ACI 562-21: Assessment, Repair, and Rehabilitation of Existing Concrete Structures

In-House Seminar

ONE DAY, 7.5 HOURS (7.5 PDHs/0.75 CEUs)

Who should attend: Engineers, architects, and building officials who are interested in learning the latest changes to the code.

Program Content:

ACI CODE-562-21, “Assessment, Repair and Rehabilitation of Existing Concrete Structures—Code Requirements and Commentary,” was developed to provide design professionals a code for the assessment of the damage and deterioration, and the design of appropriate repair and rehabilitation strategies. The Code provides minimum requirements for assessment, repair, and rehabilitation of existing structural concrete buildings, members, systems and, where applicable, nonbuilding structures. ACI CODE-562-21 was specifically developed to work with the International Existing Building Code (IEBC) or to be adopted as a stand-alone code.

Topics covered in this presentation include:

- Philosophy behind ACI 562
- Need for a repair code
- Major types of cracks in concrete
- Consistent repair design
- Repair construction challenges
- Significance of a quality assurance program for a successful repair
- Benefits for the owner
- Examples throughout the presentation to highlight the major issues
- A real-life repair example to demonstrate the overall use of the repair code
- A guide document for the code with additional information and project examples that help users interpret the code requirements will also be highlighted.

Learning Objectives:

- Determine what design code should be implemented for the assessment and repair or strengthening of an existing structure.
- Understand that new members added and their connections to an existing structure are based on the current building code.
- Explain the objective of a concrete repair code, which is to produce a document that provides 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.
- Understand that evaluation is the first step in the assessment and repair process to determine if a structure is in compliance with the original design code and if it is safe.

Instructors:

Two industry experts will present this seminar.

Related Documents:

To expand attendees knowledge, ACI In-House Seminar customers may purchase multiple copies of related documents at 50% off the regular price.

- ACI 562-21: Assessment, Repair, and Rehabilitation of Existing Concrete Structures - Code and Commentary
- MNL-3(20) Guide to the Code for Assessment, Repair, and Rehabilitation of Existing Concrete Buildings

Up to 40 copies of the presentation slides included. Additional copies can be purchased.

ACI is an approved education provider for AIA and ICC.



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