

Concrete Repair Basics

A One - Day Seminar

[Register Now](#)

Overview

Learn the Best Methods and Materials for Economical and Effective Concrete Repairs.

Free Publications

As part of the seminar, you will receive **FREE** the following publication(s) a **\$277.00** value:

ACI 546R-04	Concrete Repair Guide
ACI 437R-03	Strength Evaluation of Existing Concrete Buildings
ACI 364.1R-07	Guide for Evaluation of Concrete Structures Before Rehabilitation
ACI 224.1R-07	Causes, Evaluation, and Repair of Cracks in Concrete Structures
ACI 201.1R-08	Guide for Making a Condition Survey of Concrete in Service
	Seminar lecture notes

Who should attend?

Engineers, repair contractors, materials suppliers, and maintenance personnel will learn how to make good quality concrete repairs.

Seminar Topics

- **Condition survey**
 - Causes and types of deterioration
 - Evaluate deteriorating concrete
 - Determine the extent of potential damage
 - Assess the consequences and risks of material failures
- **Repair techniques**
 - Removal of damaged concrete
 - Preparing existing concrete for repair
 - Patching and overlays
 - Repair techniques such as shotcrete, carbon fiber reinforcing and chloride extraction
- **Repair materials**
 - Selection of materials for different repair situations and environments, including:
 - Sealants
 - Protection systems
 - Cementitious materials
 - Polymeric materials
- **Cracks and joints**
 - Understanding cracks and joints
 - Causes and effects of cracking
 - Methods of repairing cracks and joints
 - Expansion joints for elevated slabs and slabs on ground
- **Applications of repair techniques**
 - Case studies that utilize repair methods and materials for various types of structures.

Cincinnati, OH
May 13, 2009

Holiday Inn Cincinnati Airport & Conf. Center
1717 Airport Exchange Boulevard

Greater Miami Valley Chapter ACI

Instructor(s) for this Seminar will be:
James E. McDonald & Michael M. Sprinkel