

## TECHNICAL DOCUMENTS

### ACI 563-18: Specifications for Repair of Concrete in Buildings

This is a Reference Specification that the Architect/Engineer can apply to any construction repair and rehabilitation project involving structural concrete by citing it in the Project Specifications. Mandatory requirements and Optional requirements checklists are provided to assist the Architect/Engineer in supplementing the provisions of this Specification, as required or needed, by designating or specifying individual project requirements

## ACI UNIVERSITY ONLINE COURSES

### On-Demand Course: Cold Weather Concreting—A Practical Approach

Learning Objectives:

1. Explain why concrete needs to be protected from freezing.

2. Understand the ACI definition of cold weather.
3. Recognize various cold weather protection methods.
4. Identify components of a Cold Weather Protection Plan.

**Continuing Education Credit:** 0.1 CEU (1.0 PDH)

### On-Demand Course: Innovation in Concrete Construction: Advancing the Art of 3-D Printing—Automated Construction of Expeditionary Structures

Learning Objectives:

1. Define 3-D printing.
2. Discuss the potential benefits of 3-D printing applications in construction.
3. Recognize additive manufacturing concrete technology demands on concrete performance requirements.
4. Identify ACI's role advancing 3-D printing.

**Continuing Education Credit:** 0.125 CEU (1.25 PDH)

## ACI PHYSICAL TESTING OF CEMENT TRAINING VIDEO (EDPTCT13)



To supplement on-the-job training, ACI has developed the **ACI Physical Testing of Cement Training Video** as a resource for new testers and a refresher for experienced testers. The following tests are included:

- ▶ ASTM C109 – Compressive Strength
- ▶ ASTM C151 – Autoclave Expansion
- ▶ ASTM C185 – Air Content
- ▶ ASTM C187 – Normal Consistency
- ▶ ASTM C191 – Vicat Time of Setting
- ▶ ASTM C204 – Blaine Fineness
- ▶ ASTM C266 – Gillmore Time of Setting
- ▶ ASTM C1437 – Flow of Mortar

Additionally, the video includes a review of safety, equipment, and the laboratory environment. Each chapter reviews the equipment specific to the ASTM test, the test procedure to follow, and the calculation of the result. Helpful tips are provided throughout to improve the technicians' knowledge and technique.

**Check out a preview clip on YouTube; search for "ACI testing cement training preview."**



Details can be found at  
[www.concrete.org](http://www.concrete.org); search the  
bookstore for "EDPTCT13."



American Concrete Institute