

Construction of Concrete Slabs-On-Ground

In-House Seminar

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

Learn from the experts about slab construction

Who should attend: Engineers and contractors will learn how to construct high-quality concrete floors.

Program Content:

- **Introduction to floor issues and geotechnical considerations**
- **Soil support systems**
- **Vapor transmission control**
- **Concrete materials**
- **Curling of joints and cracks**
- **Slab-on-ground reinforcing**
- **Joint spacing**
- **Joint types and application**
- **Round, square, plate dowels**
- **Dowel alignment systems**
- **“Jointless” floor options**
- **Joint fillers and sealants**
- **Floor surface flatness and levelness**
- **Surface treatments**
- **Curing**
- **Overview of problems**

Learning Objectives:

- Describe the difference between flatness and levelness; understand the requirements for both.
- Recognize the importance of preparing the soil support system for a concrete slab-on-ground.
- Understand how the surface properties of a concrete floor are determined by the mixture proportions and the quality of the concreting and jointing operations.
- Identify practices for controlling random cracking and edge curling caused by the concrete's normal volume change.

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 302.1R
- Articles on slab construction
- Course Notes authored by the instructors

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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