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 copies of Guide to Concrete Floor and Slab Construction (ACI PRC-302.1-15) at 50% off the regular price.

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

ACI is an approved education provider for AIA and ICC.

www.ConcreteSeminars.org