



Designing Below the Surface: Moisture Management for Long-Term Flooring Performance

IDCEC Course #126726 Designation- HSW

AIA Course #DMM01 Designation- HSW

Course Credits:

1.0 CEU / 1 LU

Course Description:

Designing Below the Surface: Moisture Management for Long-Term Flooring Performance explores the relationship between concrete moisture, flooring system performance, and long-term building durability. Participants will learn how moisture affects flooring installations, compare common concrete moisture testing methods, understand the role of specifications in reducing project risk, and evaluate strategies for managing elevated moisture conditions. Through real-world examples and project scenarios, attendees will gain practical knowledge to make informed design and specification decisions that improve flooring performance, protect occupant well-being, and reduce the likelihood of costly flooring failures.

Course Objectives:

1. Explain how concrete moisture affects the long-term performance and durability of commercial flooring systems.
2. Compare common concrete moisture testing methods, including Relative Humidity (ASTM F2170), Moisture Vapor Emission Rate (ASTM F1869), and pH testing, and recognize the purpose of each.
3. Evaluate moisture-related risks and identify appropriate specification strategies that support successful flooring installations and reduce project failures.
4. Identify moisture management approaches that help improve occupant safety, protect building performance, and support informed flooring system selection.