



The American Institute of Architects
Continuing Education Systems
AIA/CES Registered Provider Program
Summary Handout



Provider: **Barrier-1, Inc.**

Program: **PREVENTION OF MOISTURE RELATED FLOORING FAILURES**

Length: **60 Minutes** Credits: **1 LU Hour** HSW: **Yes** SD: **Yes**

Description: **The root causes of most flooring failures involves moisture, as well as an EPA regulation that changed the way flooring adhesives are manufactured. Now more than ever, moisture vapor transmitting or emitting from concrete can delay installation or cause flooring failures, and promote the growth of mold and bacteria which causes serious erosion of a structure's Interior Environmental Quality (IEQ). This program reviews the magnitude of the problem, discusses the various causes, offers permanent solutions, and touches on current American Concrete Institute (ACI) recommendations. It analyzes how to address ground moisture problems, as well as the common problem often referred to as concrete drying; specifically, the seminar takes a close look at how to eliminate the free water in concrete that needs to be removed from the slab prior to flooring installation, thus helping maintain a predictable construction schedule.**

Learning Objectives: **After completion of this course, participants will be able to understand and identify:**

- **The scope and magnitude of moisture related flooring failures**
- **The LEED implications and potential points relevant to this topic**
- **How to address all moisture sources related to concrete:**
 - **The impact of topical and admixture remedies to both new and existing concrete floor substrates**
 - **The role of vapor barriers and vapor retarders**
- **Concrete basics: the difference between curing, hydration, and drying**
- **How to guarantee flooring installation on schedule and therefore avoid construction delays**
- **How building lifecycle costs can be effected, and how traditionally unpredictable aspects (i.e. flooring installation and subsequent flooring performance) to a project can become controlled and known aspects**

How Taught: **The CES facilitator utilizes a PowerPoint presentation to provide an in-depth overview of the methodology of proactive moisture vapor remediation. It will be an interactive session that encourages feedback and questions.**

A/V Needs: **Electrical power and screen for the Power Point slide presentation. The CES facilitator will supply the laptop and projector.**

Target Audience: **Architects, specifiers, structural engineers, owners and other design professionals. The ideal audience size can be 10-60 people. This program is in-depth and meets the needs of professionals at every experience level.**

Facilitator Qualifications: **All Barrier-1 CES facilitators have been trained on CES guidelines and presentation skills. In addition, they are involved in day-to-day issues involving this topic and are considered industry experts.**

Costs: **There is no cost to bring this program into your firm or chapter meeting.**

CONTACT BARRIER-1 FOR MORE DETAIL OR TO SCHEDULE A PRESENTATION
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