ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Hot Topic - Moisture Prevention Design Solutions -
Central, Mountain, & Pacific Time Zones
Wednesday, August 25, 2021

America Training Solutions
ATSSEMINAR.COM

08:00 AM Welcome, Credits, and Certificates

08:10 AM **Introduction to Moisture and Floor Preparation Management**

An in-depth understanding of moisture issues in concrete slabs and the deleterious effect of a high moisture vapor emission rate (MVER) on flooring finishes. The presentation will address “sick building syndrome” caused by excessive concrete moisture vapor emissions; the various industry-approved methods for testing of MVER and for generating accurate data; conditions that generate excessive moisture in slabs and how to resolve them; how MVER barrier technology works, and how and when to specify it; and ICRI’s certification program for moisture-testing technicians – the only certification program in the industry.

Clayton Peck
MAPEI Corporation Provider #: J163
AIA #:MAP059 HSW | GBCI (USGBC/CAGBC) #:920015394

09:10 AM **Specifications Strategies to Eliminate Concrete Moisture**

In many projects, installation of floor finishes is one of the items to occur prior to substantial completion. However, 09 flooring specification sections require moisture testing before flooring can be installed on concrete slabs. When those moisture tests fail, the project faces time delays, unexpected costs, or both. During this presentation, we will: (1) give significant discussion to the importance of design intent and how losing focus on what the owner expects can lead to catastrophic, consequences (2) examine several misconceptions associated with field moisture testing and project owner and design team liablility associated with concrete moisture induces flooring failure; and (3) we will give clear recommendations as to how the specifying professional can eliminate concrete moisture as a project delivery issue while simultaneously protecting the project owner and design team from project delivery delays/cost overruns and future failed flooring.

Bill Roper
ISE Logik Industries Provider #: 404108239
AIA #:ISL03H HSW

10:10 AM Break

10:20 AM **Understanding Advanced Wall Systems with Continuous Insulation**

This session explores evolving trends in building enclosure technology, and subsequent changes in energy efficient building design; with especial focus on the role of continuous exterior insulation (CI). The net energy savings realized in a properly insulated building are by now well understood, and these savings are increasingly being required by stringent local building and energy codes. Current building science research and field monitoring data will be presented, to demonstrate how the effective R value of various insulating materials perform and change in differing regional climates, temperature ranges, and seasonal conditions. Strategies for designing and constructing highly insulated and cost effective wall assemblies while still minimizing thermal bridging are also discussed.

Jon Ram
Rockwool Provider #: K269
AIA #:RWNA202 HSW | GBCI (USGBC/CAGBC) #:920023529

11:20 AM **Code Compliant Exterior Systems for Wood Framed Building Envelopes**

This course investigates the most recent code changes emphasizing building envelope performance. We will explore next generation integrated solutions that simultaneously provide protection against moisture penetration, air leakage, and thermal bridging. Installation benefits and on-site quality control issues related to multi-solution integrated systems will also be evaluated.

Nick Johnson
Huber Engineered Woods Provider #: K094
AIA #:HEW 505 HSW | GBCI (USGBC/CAGBC) #:920011922

12:20 PM Lunch

01:10 PM **Joint Sealant Technology - Their Design and Use**

Joint sealants seal penetrations between construction elements…a critical part of the building envelope. They prevent the ingress of water/moisture into the building interior or through joints/gaps. They also play a role in the prevention of reinforced concrete corrosion, which can lead to structural failures.

John Babun
Sika Corporation Provider #: J492
AIA #:SIKA400 HSW | GBCI (USGBC/CAGBC) #:920009462

02:10 PM Break

02:20 PM **Rigid Insulation Product Knowledge & Uses**

This course will review an in-depth breakdown of the current uses of rigid insulation in the construction industry. The attendees will learn more about the differences of rigid insulation products and the recommended uses of each product type. Discussion points to include the changes of the current energy codes and the requirements for the use of continuous insulation in the majority of future projects. The participant will be able to better evaluate their current building assemblies and understand the requirements that are dictated by current codes.

Lee Bybee
Ox Engineered Products Provider #: 40107972
AIA #:OXAIA401 HSW | GBCI (USGBC/CAGBC) #:920011917

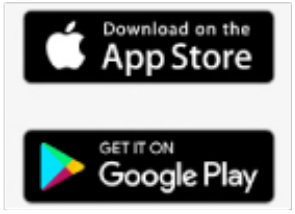
03:20 PM **Effective Thermal Performance of the Building Enclosure - Exterior Walls**

Today, new buildings must meet the ASHRAE requirements for thermal performance. This is a tough objective, since documented proof is required. Effective R-values must be met, not just nominal values, which means that high conductivity materials that cause thermal bridges must be considered in the modelling and calculations. Often, meeting ASHRAE's challenging prescriptive compliance is not even enough; some designers look to walls to make up for thermal performance shortfalls from other parts of the building enclosure – such as high glazing area percentages. Many of today's conventional wall assemblies fall short of even basic compliance, causing larger, thicker, and more costly assemblies than ever before. Learn what current wall assemblies are getting closest to the target performance levels, what the code– prescribed targets are for your region, and what some innovative companies and designers are doing to solve this issue, both with conventional and proprietary approaches, while saving cost at the same time.

Paraic Lally
Cascadia Windows Provider #: 40107438
AIA #:9 HSW | GBCI (USGBC/CAGBC) #:920021841

04:20 PM End


ATS


Download on the
App Store
GET IT ON
Google Play


U.S. GREEN BUILDING COUNCIL
USGBC
EDUCATION
PARTNER


AIA
Continuing
Education
Provider