



ATS CONTINUING EDUCATION  
ONLINE\_SEMINAR  
Detroit, MI - Thursday, September 24th, 2020  
Thursday, September 24, 2020



07:45 AM [Welcome, Credits, and Certificates](#)

08:10 AM **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

09:10 AM **Building Façade Glazing: Specify the right sealants in structural and non-structural applications.**

During our Building Façade Glazing training, participants will learn about the different families of sealants and how to choose the correct product for each application. We will discuss the effect of UV light on sealants and the difference between structural or non structural silicone sealants. And finally, the importance of surface preparation before sealing joints.

Dan Garnett  
Adfast Provider #: 404109250  
AIA #: AdfGlazing HSW | GBCI (USGBC/CAGBC) #: 920020391

10:10 AM [Break](#)

10:30 AM **Daylighting: Benefits, Basics & New Solutions**

This program presents the benefits and strategies of providing natural light to an interior environment. The holistic advantages in educational, residential and work areas will be discussed. We will review the technological advances in the manufacture and installation of skylights as well as the programs for calculating the benefits. Throughout the presentation, an comprehensive representation of photographs provides the participants with examples of design strategies and installation techniques  
Paul Markel

Carlisle Construction Material, LLC Provider #: K031  
AIA #: MLT-101 CST HSW | GBCI (USGBC/CAGBC) #: 920021819

11:30 AM **Stunning Facades with Sintered Stone**

Designing a building facade, whether commercial, residential, new, or retrofit, can be both artistically enjoyable and technically complex. With an array of impressive characteristics, sintered stone helps create lighter, stronger, more durable, and more sustainable buildings. This course will demonstrate why Sintered Stone is a product of choice as it can provide the artistic appeal, technical performance, and sustainability for green construction to satisfy the wide range of needs for successful and stunning facade design.

Travis Conrad  
TheSize Surfaces USA LLC Provider #: 40108005  
AIA #: StunFacade2020 HSW | GBCI (USGBC/CAGBC) #: 920016041

12:30 PM [Lunch](#)

01:10 PM

### **Sound Control in Construction 18 old**

This course defines the importance of sound control in the building industry where proper design can help avoid Litigation & Remediation. We will discuss building code criteria including the International Building Code (IBC-1207) and the International Residential Code. We will identify areas where sound control is necessary for wall & floor/ceiling assemblies. We will then offer an explanation of terminologies including: STC, IIC, NRC, Use Patterns and Flanking Sound. The mechanisms of sound transmission and its attenuation will be discussed including: Mass, Double Leaf Construction, Field Damped Mass, Decoupling, Unbalancing, Coincidence Effect and Sound Masking.

Chris Hill

Homasote Provider #: J582

AIA #:Soundatten18 HSW | GBCI (USGBC/CAGBC) #:920007666

02:10 PM

### **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 liability 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.

Dean Craft

ISE Logik Industries Provider #: 404108239

AIA #:ISL03H HSW | GBCI (USGBC/CAGBC) #:

03:10 PM

Break

03:20 PM

### **Understanding Material Hazard, Exposure and Risk in the Built Environment**

Product and materials selection is a critical aspect of the building design and construction process. A variety of factors drive materials selection decisions, including sustainability, health and wellness issues like indoor air quality, and the desire for innovative, functional, state-of-the-art building spaces that meet 21st century needs.

Learning Objectives:

- 1) Understand the differences between hazard, exposure, and risk in terms of chemical ingredients and materials selection
- 2) Recognize the limitations of hazard-only thinking when selecting building materials
- 3) Understand how to make comparisons of products based on ingredients, performance, cost and life cycle impacts
- 4) Identify the tools available to evaluate the safety of building products and materials

Jack Armstrong

American Chemistry Council (ACC) Provider #: 50111254

AIA #:ACC301 HSW | GBCI (USGBC/CAGBC) #:920019969

04:20 PM

## Elevator Technology

With urbanization on the rise, the vertical transportation industry is challenged more than ever to provide eco-efficient, cost-saving, and space-saving solutions. This session will cover the history of elevator technology and compare conventional applications with today's technological advancements, enabling attendees to critique the risks and disadvantages of dated technology and identify the advantages of newer technology. In particular, attendees will learn about both recent developments and future trends concerning machine-room-less (MRL) elevators. The presentation will address design benefits, installation and ownership costs, and LEED contributions.

Scott Barron

Kone Inc. Provider #: J575

AIA #: Kone0001\_A2 HSW | GBCI (USGBC/CAGBC) #: 920007673

05:20 PM

End



**EDUCATION  
PARTNER**

**AIA  
Continuing  
Education  
Provider**