ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Green - Central Time Zone
Wednesday, February 16, 2022

08:00 AM Welcome, Credits, and Certificates

08:05 AM **Acetylated Wood: Discover the Difference for Siding, Decking, and More**

This course discusses the process of wood acetylation, the resulting changes to wood, applications for acetylated wood, its green credentials and a number of case studies involving acetylated wood.

Tim Svarczkopf
Accsys Technologies - Titan Wood Inc. Provider #: K382
AIA #:Accoya2020 HSW | GBCI (USGBC/CAGBC) #:920022858

09:05 AM **Review of Session Code Process**

09:10 AM **Eliminating Concrete Moisture through Sustainable Design**

Few aspects of the design process are conducted in “silos” as disassociated from one another as how many projects approach interior concrete slab specifications and subsequent flooring specification sections. This is not done intentionally, rather it is by-product of lack of coordination, and fundamental misunderstanding, between those involved with the structural elements and those involved with the aesthetic and finishing elements. During this presentation, we will discuss sustainability and what it means; drawing the attendee into a clear discussion of how sustainability relates to LEED, Lean Construction, Green Building, and process improvement. Inconsistencies with current specification processes related to concrete moisture as compared to the tenets of sustainability will be exposed, with clear recommendations given as to how the specifying professional can resolve those disconnects.

Bill Roper
ISE Logik Industries Provider #: 404108239
AIA #:ISL03K HSW

10:10 AM Break

10:30 AM **Making Sense of Sealants**

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 silicon sealant. And finally, the importance of surface preparation before sealing joints.

Dan Garnett
Adfast Provider #: 404109250
AIA #:AdfSealant2020 HSW | GBCI (USGBC/CAGBC) #:920010342

11:30 AM **Wood Glazed Facades in Net-Zero and Passive Buildings**

Architects and LEED professionals understand the numerous benefits of building with wood. But, many are unaware of its application in a timber curtain wall (TCW). Today's technology provides opportunities to incorporate the beauty and energy-efficiency of wood into glazed facades that not only bring the outdoors in but also serve as the building's heavy lifter. This course will present the differences between a conventional curtain wall and a timber curtain wall (TCW) including load-bearing and non-load-bearing capabilities as well as net-zero and passive building. We will also show example of projects using TWC.

Jim O'Connor
A construction executive and building envelope professional with a focus on architectural facades, windows, and high-performance cladding & rainscreen systems. Experienced with architectural structures, building envelopes and luxury residential & high end commercial building products. Experienced management executive with an understanding of construction practices and installation techniques. Possessing strong solution-oriented and outcomes based selling skills and the ability to develop strong relationships with Architects, CMs, General Contractors, Building Envelope Consultants, and Subcontractors.
Unicel Architectural Corp Provider #: 404109249
AIA #:IC2tech2020 HSW | GBCI (USGBC/CAGBC) #:920019926

12:30 PM Lunch

01:10 PM **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.

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

02:10 PM **Protecting the Built Environment from Formosan Termites**

Many architects, engineers, and builders don't consider the threat of Formosan termites. They therefore leave the building owner and future occupants with the ongoing task of using chemical pesticides and/or repairing significant damage. Do you build in the termite zone? Domestic subterranean termites exist throughout the mainland. Now much of the United States is susceptible to Formosan termite infestation, which has been expanding since 1975. Any new build within this termite zone should incorporate the steps to provide long-term protection against Formosan and native American subterranean termites. This course will describe the Formosan termite and the damage it can cause. We'll review the preventative but long-term processes that many building owners take to prevent infestation. Most importantly, this course will outline the standard and enhanced processes, implemented at building construction, that protect the structure.

Jill Heidorf
Polyguard Barrier Systems Provider #: K477
AIA #:TermiteProtect HSW | GBCI (USGBC/CAGBC) #:920025312

03:10 PM End