ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Hot Topic - Fire-Rated Products and Their Design Solutions - Eastern Time Zone
Tuesday, March 16, 2021

08:00 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 **Acoustic Door Assemblies and Their Role in Sound Control**

Sound control is a critical element to a building's design. How an occupant will use the space must be understood in order to deliver a healthy and functional environment free of noise. Is speech privacy important? Is this a learning environment? Does the office open to a manufacturing floor? We all think of the walls, ceiling, and floor when discussing sound attenuation. But we must not overlook the importance of an acoustic-door assembly. Without the proper acoustic door, the sound-control goals in an acoustic plan may not be met. This course will review healthy sound levels and how to test and identify target STC ratings. We'll discuss the elements of the acoustic-door assembly and how the assembly addresses fire-ratings and ADA compliance, contributes to LEED certification and green building, and provides security for classified files and electronic data.

Jack Shinder
Ambico Ltd. Provider #: J834
AIA #:AAD001 HSW | GBCI (USGBC/CAGBC) #:920024242

10:10 AM Break

10:20 AM Commanditaire: TRIFORCE Open Joist - Built by Barrette - Matt Loiselle

10:30 AM **High-Performance Modified Wood: Beauty Built to Last**

Wood is a top material choice in construction due to its beauty and longevity. But high demand has put a strain on this natural resource, especially for the timber with greatest durability like tropical hardwoods. Today, new technology allows for the use of responsibly-sourced fast-growing timber in wood modification that yields products with the same or greater durability as those overexploited hardwoods. This course provides an overview of the wood-modification process that results in a product that's non-toxic, highly durable, Class-A Fire Rated, environment friendly, and ideal for use in indoor and outdoor applications. This course also explains how this Modified Wood contributes to LEED v4 certification.

Criswell Davis
LIGNIA Wood Company Limited Provider #: 404109252
AIA #:HPMW2020 HSW | GBCI (USGBC/CAGBC) #:920022862

11:30 AM **Designing for Fire Safety - Complying with NFPA 285 Test Standard for Exterior Walls**

When considering the building enclosure, fire safety is an important design factor and needs to be considered hand-in-hand with energy code requirements. The NFPA 285 Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Wall Assemblies Containing Combustible Components is a common consideration with modern building assemblies that use combustible materials. This presentation will review common fire standards including NFPA 285 test standard. It will outline the criteria for compliance, as well as identify triggers and contributors under the standard. The presentation will review how the selection building components such as insulation, air/water resistive barriers and claddings, can affect the fire performance of an assembly, and identify solutions and common paths for compliance.

Michael Maguire
Rockwool Provider #: K269
AIA #:RWNA718_2 HSW | GBCI (USGBC/CAGBC) #:

12:30 PM Lunch

01:10 PM Commanditaire: Boralife Technologies Inc. - Stéphane Rompré

01:20 PM **Code Recognized Magnesium Oxide (MgO) Panels Applications for Acoustic and Fire Rated Systems**

Acoustical control and fire resistance are two primary code requirements for commercial buildings. An emerging product solution that is proving successful is Magnesium Oxide (MgO) panels for wall and floor/ceiling assemblies. This course investigates specifically MgO wall and floor/ceiling applications in Type III and V construction. In this course, you will investigate the design and construction process for MgO panels in code recognized assemblies. The course begins with a description of the material and its properties, and its code compliance characteristics related to acoustical performance and fire resistance. Installation procedures and discussed, and comparisons made to alternative systems such as wet-laid gypsum underlayment.

Daniel Chelli
Huber Engineered Woods Provider #: K094
AIA #:HEW 301 HSW | GBCI (USGBC/CAGBC) #:

02:20 PM Break

02:30 PM **Fire-Retardant-Treated Wood in Today's Building Code**

This session is a discussion of fire-retardant-treated wood's technical characteristics and building code-related applications. Emphasis is placed on the testing and labeling required by the International Building Code. The building code, as with many products, regulates the use of wood in construction. Two broad categories separate materials: combustible and noncombustible. Codes limit the applications of combustible materials on the basis of fire and life safety. The question is then, are there options available to using wood in lieu of a noncombustible material. Fire Retardant Treated Wood (FRTW) provides that option. Codes recognize FRTW for many applications where a noncombustible material is mandated.

Jim Gogolski
Hoover Treated Wood Products Provider #: J583
AIA #:1FRTW HSW | GBCI (USGBC/CAGBC) #:920007678

03:30 PM **Sliding Fire Doors in an Egress Path**

This course outlines the multiple ways in which sliding fire doors may be used to create open-concept designs while maintaining fire code compliance and life safety requirements. It will also cover Value Engineering uses of this product type. The information will be primarily shared through case studies of how architects have utilized the product in a multitude of projects since 1977 when the building codes first accepted the doors for use. Local fire code references, NYC code references, and the basic differences between Fire Walls, Barriers, and Partitions will be provided.

Sean Hilgeman
WonDoor Corporation Provider #: j498
AIA #:0wdfg1 HSW | GBCI (USGBC/CAGBC) #:

04:30 PM End