



08:00 AM [Welcome, Credits, and Certificates](#)

08:10 AM **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

09:10 AM **Coating of Aluminum Extrusions 2018-2021**

Provides an overview of aluminum extrusion coatings and includes discussions on the aluminum extrusion process; a comparison of powder and liquid coatings; an overview of the chrome and the chrome-free pretreatment processes; and, the performance objectives of AAMA testing standards.

Taylor Coley  
Barrette Outdoor Living Inc. Provider #: J696  
AIA #:AG101 HSW | GBCI (USGBC/CAGBC) #:920017985

10:10 AM [Break](#)

10:30 AM **Sustainable Exterior Envelope**

At the end of this course, participants will know how to increase the durability of wood products used on building exterior envelope, understand best installation practices and differences between popular wood treatment methods. This AIA continuing education program touches on these issues and more, helping you design an exterior envelope that is durable and healthy for the home.

Devin Darnell  
WindsorONE Provider #: T109  
AIA #:ExtEnv2020 HSW | GBCI (USGBC/CAGBC) #:920012039

11:30 AM **Benefits of Ultra Low Permeability Concrete in the Building Envelope – An Integral Approach**

The exceptional durability of Portland cement concrete is a major reason why it is the world's most widely used construction material. But material limitations, design and construction practices, and severe exposure conditions can cause concrete to deteriorate, which may result in aesthetic, functional, or structural problems. The Portland Cement Association prescribes proper concrete coverage of reinforcing steel and a Low Permeability concrete mix design as the primary goals for "Best Practice". A talented, seasoned contractor is the answer to the first.....concrete admixture may be a reasonable answer to the second.

Scott Brown  
SPG (Specialty Products Group) Provider #: K540  
AIA #:SPG003 HSW | GBCI (USGBC/CAGBC) #:

12:30 PM [Lunch](#)

01:10 PM

## Gravity Fail Safe Fire Protective Smoke Curtains Technology

smoke curtain technology, which allows for more open space and natural light (providing LEED credit) in a building while protecting its occupants for safe evacuation by keeping the smoke layer six feet above the finished floor during a fire condition. Our automatic smoke barriers and partitions allow for open corridors in the atrium and are utilized for area separation. We create smoke datums with our technology under NFPA 92B guidelines in conjunction with smoke control to reduce extraction and make up air requirements. In our projects over-seas, our associates use less smoke extraction, and use more curtain systems to create more datums.

We are UL listed under UL 10D Fire Protective Curtains which UL established for our product. We are the only product in the world that holds this designation. We currently hold a UL S label for UL 1784 and a UL oversize report AND UL 864 for our group control panels. We have installed at The Kennedy Center for the Performing Arts, Federal Housing Finance Agency, UNC Dental School, MIT Neural and Cognitive Sciences Building, UMASS Integrated Sciences Building, PRINCETON Chemistry Building, FIU School for International and Public Affairs, Max Planck Institute (Florida), PNC Place in Washington, DC among many others and are currently installing at the Smithsonian National Museum of Natural History, as well as several Ground Zero and government installations.

Steven Sadeghian  
U.S. Smoke & Fire Corp Provider #: K502  
AIA #:000003 HSW | GBCI (USGBC/CAGBC) #:

02:10 PM

## 3D ACOUSTICS: The critical component to a successful design 1.5

This course discusses the difference between NRC and STC as well as absorption, diffusion, and reflection and how it relates to echo, reverberation and speech intelligibility in architectural spaces and the importance of using the 3D design concept to maximize the acoustical performance of their room.

Jesse Perdue  
Perdue Acoustics Provider #: 40107193  
AIA #:3Dacoustic1.5 HSW | GBCI (USGBC/CAGBC) #:920024925

03:10 PM

End



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