



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

08:00 AM **Design an Effective and Sustainable Building Envelope With Spray Polyurethane Foam**

Participants will learn about: • The history, Actual generation, and polyurethanes classification • Standards: CAN/ULC S705.1 Material • CAN/ULC S705.2 Application • Quality Assurance program / Certification, CUFCA • Physical Properties of Polyurethane Spray Foam • Long term thermal resistance (LTTR) Initial value • Test Reports: CCMC Evaluation #13244-L • AIR INS Inc. Water vapor permeance testing & Air barrier materials testing • Dr. John Straube, Results for wood framing construction with spray foam, without vapor barrier • Exterior insulation basement system, NRC Summary Report • Adhesion quality, CMHC report Explanation of typical conception details for Polyurethane Foam How to build an effective and sustainable building envelope with minimum materials, Environmental criteria, Leed and Sustainability
Peter Frenette

Huntsman Building Solutions Provider #: J593
AIA #:SPF201 HSW | GBCI (USGBC/CAGBC) #:920010268

09:00 AM **Building Facade 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.

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

10:00 AM [Break](#)

10:15 AM **Wood Products on Exterior Envelope Solutions to assure Stability, Durability & Sustainability**

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.

Dave Rogers
WindsorONE Provider #: T109
AIA #:T1091113 HSW | GBCI (USGBC/CAGBC) #:920012039

11:15 AM **Acoustic Doors and Green Design**

Sound transmission control is an issue that should be addressed in the design of any building. Acoustic comfort is part of providing an amenable interior space, and it requires having the proper level and quality of sound to utilize a space as planned. This course looks at the components, features, and the role of acoustic door assemblies in occupant comfort in both workplace and school environments.

Steve Peterman
Ambico Ltd. Provider #: J834
AIA #:AMB013-01 HSW | GBCI (USGBC/CAGBC) #:920014407

12:15 PM [Lunch](#)

01:15 PM

Acetylated Wood: Durable, Stable, Sustainable Wood for Windows, Doors & Siding

Discusses the process of wood acetylation, the resulting changes to wood, applications for this product, its green credentials and a number of case studies involving acetylated wood

Daniel Trebelhorn
Accsys Technologies - Titan Wood Inc. Provider #: K382
AIA #:K382 HSW | GBCI (USGBC/CAGBC) #:920007705

02:15 PM

Vinyl for the 21st Century

Vinyl is the most widely used plastic in building and construction. For modern buildings and infrastructure, the life-cycle multi-attributes solutions blend sustainability, wellness and resilience for people and their communities.

Jack Armstrong
Vinyl Institute Provider #: K012
AIA #:VID-620-VI HSW | GBCI (USGBC/CAGBC) #:920019970

03:15 PM

Break

03:30 PM

LEED Pilot Credit #103: Integrative Analysis of Building Materials

In the materials selection process, builders seek to balance numerous product performance attributes, including durability, aesthetics and health, safety and environmental impacts. Transparency and life cycle thinking are central components of a robust materials selection process, one that enables builders to choose the most appropriate materials for their project. The U.S. Green Building Council now offers an innovative LEED pilot credit (#103), Integrative Analysis of Building Materials, to encourage building project teams to evaluate products and materials using available life cycle information to identify those that have positive environmental, health and safety impacts. The credit informs project team decisions by providing access to information shared by building materials manufacturers on their product's life cycle impacts.

Jack Armstrong
American Chemistry Council (ACC) Provider #: 50111254
AIA #:ACC-302 HSW | GBCI (USGBC/CAGBC) #:920001482

04:30 PM

Sound Control In Construction

In this one-hour course, design professionals will gain practical knowledge of sound control and the many healthy and safety benefits it has for architects, builders, and occupants. It will discuss building code criteria and guidelines, including strategies to meet these requirements through various methods. By the end of this course, design professionals will be able to evaluate different sound control strategies and specify ones that best fit each project's needs.

Marcus Ward
Homasote Provider #: J582
AIA #:soundatten21 HSW | GBCI (USGBC/CAGBC) #:920007666

05:30 PM

End



AIA
Continuing
Education
Provider