



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Envelope Solutions - West
Wednesday, February 05, 2025



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

08:05 AM **The Importance of Space. Rainscreen Technology in Residential Building Design.**

This course explains the advantages to construction rainscreen wall assemblies. We explain the differences between direct applied, vented and ventilated wall system. How to be code compliant and the various material options on the market today to help create a healthy wall system in multi-family and single family residential homes. We also touch upon the benefits of building with rainscreen technology in the commercial building sector.

Keith Lolley
Advanced Building Products, Inc. Provider #: T055
AIA #:T2022 HSW

09:05 AM [Review of Session Code Process](#)

09:10 AM **Optimized Lath Selection for Enhanced Stucco Performance**

Confused about the various types of lath available? Want to know the advantages of each and how they contribute to resilient, energy-efficient wall systems? What are the ASTM standards that each lath type is required to meet? What are some of the challenges of lath and plaster, and how are they mitigated? This course will answer these questions and review best practices and solutions.

Lola Wilson
Structa Wire Corporation Provider #: 40107137
AIA #:CD 027 HSW

10:10 AM [Break](#)

10:30 AM [Sponsor: Prestige Panel Solution - Sophie Lefebvre](#)

10:45 AM **Sustainable Exterior Envelope**

This course focuses on the effect biological and physical agents have on the wood substrate of the exterior building envelope. After reviewing these agents, you will learn how proper installation and best building practices can limit the exposure these agents can pose to your project. Durable wood substrates will also be discussed with a comparison of popular man-made durability agents used to further protect the exterior envelope.

Hank Henry
WindsorONE Provider #: T109
AIA #:ExtEnvelope23 HSW | GBCI (USGBC/CAGBC) #:920026001

11:45 AM **Understanding Permeability in Products and Systems**

This course will review an in-depth breakdown of permeability standards for both products and systems. The attendees will learn more about the multiple building products and how they perform in permeability standards. Discussion points to include the changes of the current energy codes and the requirements for the use of permeable and nonpermeable products. 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 #:OXAIA503 HSW

12:45 PM

Break

01:00 PM

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 including load-bearing and non-load-bearing capabilities as well as net-zero and passive building. We will also show examples of projects using TWC.

Sergiy Kholodov

Allegion / Unicel Architectural Corp Provider #: J247

AIA #:SP24014 HSW

02:00 PM

Building Better with Thermal Breaks

Thermal bridging has been found to adversely affect the heating and cooling of buildings in a significant way. Three dimensional thermal modeling has shown thermal bridging often occurs at predictable structural transitions and that thermal breaks can significantly reduce conductive heat losses in those areas. This course will explain what thermal bridging is, where it occurs, and present strategies to help control it. As we build more efficient buildings that are comfortable and safe, we need to look for better ways to insulate structural transition areas with materials that can bear weight, and insulate.

Neal Lojek

Armatherm Thermal Bridging Solutions Provider #: 404109555

AIA #:404109556 HSW

03:00 PM

End

