



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Green: Products that Support Sustainable
Design - East
Tuesday, February 04, 2025



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

08:05 AM **Western Red Cedar, Distinctive Sustainable Design**

The Western Red Cedar Lumber Association (WRCLA) is a Non-Profit trade association that was established in 1954. We offer training to discerning users of WRC including the architect community. Western Red Cedar Distinctive Sustainable Designs is a one-hour, face-to-face training session developed for the architect community and provided by WRCLA qualified trainers. Through this one hour session, architects will increase their knowledge of WRC; its' properties and performance characteristics.

Jay Poppe
Western Red Cedar Lumber Assn (WRCLA) Provider #: G422
AIA #:O-WRCDesign HSW | GBCI (USGBC/CAGBC) #:0920029577

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

09:10 AM **Thermally Modified Wood as a Sustainable, Biophilic Product Choice for Architects and Designers**

This course examines the use of thermally modified woods in sustainable building practices. Through this course, participants will gain a comprehensive understanding of the thermally modified wood process, its environmental benefits, and its applications in architectural design. We will explore the science behind thermal modification, its impact on wood properties, and its advantages over traditional wood treatments. Additionally, the course will address key considerations for specifying, installing, and maintaining thermally modified wood products, equipping attendees with the knowledge needed to incorporate this innovative material into their projects. Discover how thermally modified woods are reshaping the landscape of sustainable construction and contributing to a greener future.

Lisa Ayala
GMX Group Provider #: 10093159
AIA #:GMXThermWood27 HSW | GBCI (USGBC/CAGBC) #:0920030910

10:10 AM [Break](#)

10:20 AM **Concrete Sustainability & Long-Term Waterproofing Solutions**

This presentation explores the composition of concrete, causes of deterioration, and the benefits of crystalline waterproofing technology. It explains how this technology interacts with concrete to form a network of insoluble crystals, making it impervious to water and harmful materials like chlorides and sulfates while improving indoor air quality. The session highlights how crystalline waterproofing increases durability, extends the service life of new concrete, and provides a sustainable solution for repairing and waterproofing existing structures by preserving embodied carbon. It also covers preventing damage from corrosion, freeze-thaw cycles, ASR, and chemical attack. Participants will learn how this technology streamlines project costs and accelerates construction schedules as well as see real-world applications across various industries.

Cassandra Gouws
Penetron USA Provider #: 404108130
AIA #:AIA-MadeToLast HSW | GBCI (USGBC/CAGBC) #:0920031413

11:20 AM

Today's Radiator: Historic Integrity Paired With Optimal Heating Performance

For architects, purposeful materials selection is a priority in any design. For restorations and renovations, product selection means more. Designers who re-use the building's existing materials not only preserve historic beauty but also reduce the embodied carbon of the building. On a rare occasion, a re-used product can deliver even more. This course features that one product – the cast-iron radiator. Of course, we'll discuss the history and beauty of the radiator. Most importantly, we'll talk about how a century-old product can deliver a modern, energy-efficient heating system with less environmental impact than other options.

Jason Savage

Ecorad Provider #: 10024755

AIA #:RadRestore HSW | GBCI (USGBC/CAGBC) #:920029677

12:20 PM

Break

12:40 PM

Understanding Wood Aesthetic Cladding and Soffit Technologies

This learning unit will provide an in-depth overview of current "wood" design technologies natural and synthetic. - Identify current market "wood aesthetic" technologies - Understand the core materials of each technology - Understand the sustainable features and Life Cycle benefits for each technology based on the following criteria: Color Retention, Maintenance & Warranty - Describe the surface burning characteristics and explain how they can be specified to achieve code compliance - Installation Details - Budgetary Information

Yancey Hughes

Hughes & Associates Provider #: L161

AIA #:GL WPC 2023 HSW | GBCI (USGBC/CAGBC) #:

01:40 PM

Break

01:50 PM

How It's Made: Today's PVC

PVC products have been around for 100 years. They're common in the construction industry because of their durability and long life. But old PVC manufacturing practices still cause concern for some of today's specifiers. This course will address those concerns head-on. We'll talk about today's manufacturing processes and how recycling is transforming the industry. You'll see how PVC resin becomes a strong and beautiful product using the example of vinyl fencing. With the understanding of today's regulations, collaboration, and green-building practices, you'll have the confidence to specify today's PVC products.

Spencer Kelly

Oldcastle APG Provider #: J545

AIA #:TodaysVinyl27 HSW | GBCI (USGBC/CAGBC) #:920029469

02:50 PM

End



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