



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Building Green: Products that Support Sustainable
Design - North America
Tuesday, October 22, 2024



10:00 AM [Welcome, Credits, and Certificates](#)

10:05 AM **Cork: Nature's Regenerative Building Material**

The word sustainable is often used to describe building products, but few are more sustainable than cork. This course will dive deep into the Cork Oak tree, its regenerative bark, mindful harvesting, and its use in building products. We'll review cork's natural properties that make it ideal in the built environment, including moisture resistance, durability, and superior acoustic control. This course will examine the use of cork in flooring underlayment as an example of its ability to reduce impact sound in ceiling/flooring assemblies. Lastly, we'll address cork's contribution to a circular economy and review its lifecycle stages from its responsible forestry at raw materials to its end-of-life where cork products can be recycled into new products.

Rick Loomis
Amorim Cork Composites Provider #:
AIA #:CorkRegen27 HSW | GBCI (USGBC/CAGBC) #:0920030806

11:05 AM [Review of Session Code Process](#)

11:10 AM **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

12:10 PM **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 #:WRCLA5 HSW | GBCI (USGBC/CAGBC) #:0920029577

01:10 PM [Break](#)

01:30 PM

Designing for Sound Control: Effective, GREEN, Principles and Practices

In this one-hour course, design professionals will gain practical knowledge of effective principles of sound control and how they can be applied to the design of wall and floor/ceiling assemblies. We will discuss building code criteria and guidelines, including strategies to meet these requirements utilizing cellulosic fiberboard. By the end of this course, design professionals will be able to specify optimal sound control strategies that best fit each project's needs.

Chuck McPherson

Homasote Provider #: J582

AIA #:soundatten24 HSW | GBCI (USGBC/CAGBC) #:920027579

02:30 PM

Pressureless Treated Lumber: Wood Made Safer, Locally

Specifiers seek the ideal treated-wood product for structural lumber. Until recently, pressure-treated wood has been the popular choice for decades.

Pressure-treated wood previously used chromated copper arsenate (CCA) until 2004 when the EPA outlawed the formulation due to health-risk concerns. Today's pressure-treated wood uses alkaline copper quat (ACQ) or copper azole (CA). Even though these formulas are safer, pressure-treated wood is still not ideal. It comes with a warning to never burn and to wear protection when handling. It should never be used for indoor applications.

This course introduces the next advancement in treated wood that's closer to ideal. We'll explain this pressure-less process, treated locally, that results in a non-toxic, safer lumber with no degradation in strength. We'll review third-party testing proving resistance to mold, rot, decay, and termites. We'll outline other benefits including the Class A fire-rating and contributions to green-building.

Matt Visconti

Chemical Technologies Holding, Inc Provider #: 10091600

AIA #:Chemtech27 HSW | GBCI (USGBC/CAGBC) #:920030338

03:30 PM

Break

03:40 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 (TCW) including load-bearing and non-load-bearing capabilities as well as net-zero and passive building. We will also show example of projects using TWC.

Sergiy Kholodov

Unicel Architectural Corp Provider #: 404109249

AIA #:Unicel5WGFNZ23 HSW

04:40 PM

Biophilic Design for All: Affordable, Low-Maintenance Materials That Mimic Nature

Most architects have heard about biophilic design and agree with the concept of bringing the outdoors inside. However, very few designers take purposeful steps to incorporate it into their plans. Designers may assume that biophilic design is expensive or high maintenance, reserved for only those high-end projects. One may assume that bringing nature inside is complicated and requires customization. An architect may assume that some projects don't warrant biophilia, like a warehouse. In this one-hour course, we'll address those assumptions that hold architects back. We'll introduce a simulated-wood product that mimics nature and delivers that positive human response. You'll see numerous design ideas and applications that exemplify economical and low maintenance solutions for any project type. At the end of the course, we think you'll agree that biophilic design is obtainable for any project and every occupant.

Kim Guimond

Modern Mill Provider #: 10009174

AIA #:MMBiophilic HSW | GBCI (USGBC/CAGBC) #:920029476

05:40 PM

End



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