



ATS CONTINUING EDUCATION  
ONLINE\_SEMINAR  
Built to Last: Durable Design Solutions - Eastern  
Time Zone  
Tuesday, May 28, 2024



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

08:05 AM **Moisture Mitigation: Planning for Success**

This course will examine concrete slab moisture and how it will impact a flooring system. We will review how slab moisture originates, how that impacts the soundness of the flooring system, what failures may occur and how to address moisture issues. Concrete, moisture testing, substrate examination and systems that resist or control moisture will be reviewed. Participants will benefit from this instruction learning how to select moisture testing or mitigation systems and will be able to make the best decision on appropriate measure to manage slab moisture challenges for a successful, sustainable and sound flooring installation.

Markus Boppre  
HPS North America, Inc. - Schönox Provider #: 40107439  
AIA #:AIACES4012023 HSW | GBCI (USGBC/CAGBC) #:0920012408

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

09:10 AM **Profile Solutions**

Profiles provide a smooth, seamless transition whether installing as a project necessity or to create a decorative flair. Join us in this one-hour course as we explore how these small metal workhorses solve challenges such as edge protection and expansion joints, provide safety by increasing visibility and slip resistance, and increase aesthetics by adding a sophisticated finish. Our discussion will include ADA Considerations, examine green building certifications, and conclude with case studies. After this course, participants will be able to expound on in detail the variety of profile solutions that meet an array of transition challenges.

Rhyal Knight  
Küberit USA - TMT America Provider #: 40107439  
AIA #:AIAKUB08012023 HSW

10:10 AM [Break](#)

10:20 AM [Sponsor: Lincora - Ben Desjardins](#)

10:35 AM **Benefits of Impermeable Concrete Utilizing Crystalline Technology**

This presentation explains how the addition of crystalline technology interacts with concrete to produce a structure with a significant increase in durability and service life. It discusses how a deeply embedded network of insoluble crystals makes permeable concrete virtually impervious to water and all harmful water-soluble materials, such as chlorides and sulfates. It demonstrates how a durable waterproof structure can be designed and built without negatively affecting the placement or performance characteristics of the concrete. The prevention of damage due to corrosion, freeze-thaw, ASR and chemical attack will be analyzed. The ability of the crystalline technology to streamline project costs and fast-track construction schedules will be highlighted. Real world applications through examination of projects in various industries will provide the necessary references required.

Cassandra Gouws  
Penetron USA Provider #: 404108130  
AIA #:AIACRYSTECH3 HSW

11:35 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.

Corbin Rinehart  
WindsorONE Provider #: T109  
AIA #:ExtEnvelope23 HSW

12:35 PM

[Break](#)

12:50 PM

[Sponsor: Chemical Technologies Holding, Inc - Andrew Dingman](#)

01:05 PM

## **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) #:0920029828

02:05 PM

## **Solving the Concrete Moisture Issue: Commercial, Environmental and Health Benefits of Impermeable Concrete and Permanent Impermeable Repair Materials**

This Program addresses the impact of traditional & impermeable concrete inside & outside the building envelope. It discusses methods to improve durability and consequent sustainability of all concrete applications. It discusses the concrete industries' efforts to lower the carbon footprint. It provides a solution to moisture & flooring problems as well as water and damp-proof concrete. Techniques and materials used to permanently repair concrete are discussed.

Scott Bergsbaken  
SPG (Specialty Products Group) Provider #: K540  
AIA #:SPGVLMGK4041 HSW

03:05 PM

[End](#)

