



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 **Sustainable Design: Using Biomimicry Design**

The Sustainability course will examine advances in the development of substrate repair materials as it relates to sustainable design. We will also examine the means and methods used in modern construction utilizing sustainable products. The course will explore health and wellness benefits contributing to use sustainable products.

Markus Boppre
HPS North America, Inc. - Schönox Provider #: 40107439
AIA #:AIACES3012022 HSW | GBCI (USGBC/CAGBC) #:0920026262

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 | GBCI (USGBC/CAGBC) #:

10:10 AM [Break](#)

10:20 AM [Commanditaire: 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 #:AIACRYSTECH2DE HSW | GBCI (USGBC/CAGBC) #:

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 | GBCI (USGBC/CAGBC) #:920026001

12:35 PM

Break

12:50 PM

Commanditaire: 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 - Maximo Thermowood 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 | GBCI (USGBC/CAGBC) #:

03:05 PM

End

