



ATS CONTINUING EDUCATION  
ONLINE\_SEMINAR  
New Ideas and Innovation in Building Materials -  
North America  
Thursday, May 29, 2025



11:00 AM [Welcome, Credits, and Certificates](#)

11:05 AM **The Evolution of Self-leveling Technology 101**

The Evolution of Self-Leveling Technology 101 will examine the five elements in leveling compounds, their significance, their importance in achieving desired characteristics and how that impacts the soundness of the subfloor and foundation. The binder is the most important ingredient in any leveling compound which includes gypsum, Portland and calcium aluminate cement. Binders are the key to developing a material that is safe and stable. The geological and historical use of each binder will be reviewed from their development in the construction of historical buildings and presence in artifacts, to their use in modern architecture. Each type of leveling compound will be explored, properties discussed, benefits and disadvantages acknowledged, and recommended applications for each type examined allowing the specifier to choose the best material and method for each job site. Participants will benefit from this instruction learning how to properly select the best-suited leveling compound and will be able to make the best decision on appropriate measures to correct substrate challenges to properly prepare subfloors for successful, sustainable, environmentally friendly, sound flooring installations.

Markus Boppre  
HPS North America, Inc. - Schönox Provider #: 40107439  
AIA #:AIACES40107440 HSW

12:05 PM [Review of Session Code Process](#)

12:10 PM **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 #:T-2025-A HSW

01:10 PM [Break](#)

01:30 PM [Sponsor: Lincora - Fred Lagace](#)

01:45 PM **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.

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

02:45 PM [Break](#)

03:00 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

04:00 PM

**MTD05**

Overview of exterior porcelain tiles use for pavers, decking and rooftop deck areas. Learn the benefits including LEED, aesthetics, increased lifespan, ease of installation, and eco-friendliness.

Jason McManus  
MBrico Provider #:  
AIA #:MTD05 HSW

05:00 PM

End



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