



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.

Jeremy Waldorf
Sika - Schönox Provider #: J399
AIA #:AIACES40107440 HSW

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

12:10 PM **Radon Abatement: Controlling Radon Gas in Residential Construction**

Radon is a colorless, odorless gas, a Class A carcinogen, the leading cause of cancer after smoking, and the leading cause of death for nonsmokers. It is found in soil, rock, and groundwater. If radon enters a home through slabs, basements, and crawl spaces, breathing it can lead to illness or even death. This course examines how the gas travels through soil and into structures and the various interception approaches and materials that can be utilized to prevent entry into inhabited spaces. It also highlights building code requirements and language that can assist with ensuring the correct radon interception systems are designed and installed effectively.

Michael Conway
Advanced Building Products, Inc. Provider #: T055
AIA #:T2024 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

02:45 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

03:45 PM

End

