



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

11:05 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

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.

Michael Conway
Advanced Building Products, Inc. Provider #: T055
AIA #:T-2025-A HSW

01:10 PM [Break](#)

01:30 PM **Making Sense of Sealants**

Participants will learn about the different families of sealants and how to choose the correct product for each application.

Dan Garnett, MBA
Adfast Provider #: 404109250
AIA #:AdfSealants23 HSW

02:30 PM [Break](#)

02:45 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.

Andrew Dingman

Chemical Technologies Holding, Inc Provider #: 10091600

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

03:45 PM

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.

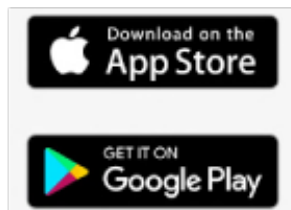
Jeremy Waldorf

Sika - Schönnox Provider #: J399

AIA #:AIACES4012023 HSW | GBCI (USGBC/CAGBC) #:0920012408

04:45 PM

End



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