



08:00 AM Welcome, certificate & credit reporting instructions

08:10 AM **21st Century 3D Acoustics 1.5hrs**

This course discusses the difference between NRC and STC as well as absorption, diffusion, and reflection and how it relates to echo and reverberation and speech intelligibility in architectural spaces and the importance of using the 3D design concept to maximize the acoustical performance of their room.

Jay Perdue

Perdue Acoustics Provider #: 40107193

AIA #:Acoustic3D002 HSW | USGBC/GBCI #: | Other Credit:

09:40 AM **More than just an R-value – Acoustics in commercial buildings**

Stone wool is often specified for its superior properties such as energy efficiency, sustainability, fire protection, water resistance and sound control. Commercial stone wool products can help to protect property, extend building life cycles and enhance occupant comfort, and are designed to make construction faster and easier. This course will identify what stone wool insulation is and how it is produced and will discuss some introductory terminology and concepts as they relate to sound and acoustics in the building envelope. We will examine current codes and standards provisions for acoustics and finally, we will discuss some techniques and considerations that can be made when design systems for the interior and exterior of the building envelope.

Pamela Sadler

Rockwool Provider #: K269

AIA #:RWNA918_01 HSW | USGBC/GBCI #:0920024243 | Other Credit:

10:40 AM Break

10:50 AM **Acoustic Door Assemblies and Their Role in Sound Control**

Sound control is a critical element to a building's design. How an occupant will use the space must be understood in order to deliver a healthy and functional environment free of noise. Is speech privacy important? Is this a learning environment? Does the office open to a manufacturing floor? We all think of the walls, ceiling, and floor when discussing sound attenuation. But we must not overlook the importance of an acoustic-door assembly. Without the proper acoustic door, the sound-control goals in an acoustic plan may not be met. This course will review healthy sound levels and how to test and identify target STC ratings. We'll discuss the elements of the acoustic-door assembly and how the assembly addresses fire-ratings and ADA compliance, contributes to LEED certification and green building, and provides security for classified files and electronic data.

Steve Peterman

Ambico Ltd. Provider #: J834

AIA #:AAD001 HSW | USGBC/GBCI #:920024242 | Other Credit:

11:50 AM **Architectural Acoustics**

Architectural acoustics are a key design consideration for every high-performing building. This course will cover the following topics: o Sound basics o Noise control strategies o Transmission o Absorption o Applications

Jeffrey Job

Johns Manville Provider #: K022

AIA #:0200-2019 HSW | USGBC/GBCI #: | Other Credit:

12:50 PM

End



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