



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Acoustic and Sound Control Design Solutions
(Spring) - North America
Tuesday, May 14, 2024



12:00 PM [Welcome, Credits, and Certificates](#)

12:05 PM **Don't Let Your Good Sound Isolation Go Up in Smoke!**

Partitions used for sound isolation are often required to also provide fire resistance. This is especially true in multi-family construction where the vast majority of unit demising walls and floor/ceiling assemblies must be fire rated. Solid working knowledge of fire-resistive designs is essential for architects to design acoustic partitions that can actually be built on-site. There are many design elements that work well for fire and for acoustics, but there are also areas where what works well for fire can be at odds with what works well for acoustics. In this presentation, we will look at the elements of acoustic and fire design both for basic wall and floor/ceiling assemblies and for design details like wall-wall and wall-ceiling intersections.

Mike Raley
PAC International Provider #: 10008841
AIA #: PAC002 HSW | GBCI (USGBC/CAGBC) #:

01:05 PM [Review of Session Code Process](#)

01:10 PM **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.

Adrian Coughtry
Ambico Ltd. Provider #: J834
AIA #: AAD001-24 HSW | GBCI (USGBC/CAGBC) #: 920024242

02:10 PM [Break](#)

02:30 PM **Elevate, Innovate, Acoustically Integrate: An Architects Guide to Dry Topping in Wood Structures**

In this session using specific project case studies, discover the latest ground-breaking advancements in sound technology that are transforming acoustic design in wood construction. There are many critical factors to consider when looking at acoustic systems: weight reduction, fire performance, structural height, on-site sequencing and environmental sustainability must all be taken into account. This session will shed light on the advantages of dry toppings over wet toppings, presenting innovative solutions that not only comply with building codes but also keep the construction process moving forward.

Cristian Wallace
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03:30 PM [End](#)



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