

ACOUSTIC MATERIALS IN THE DESIGN OF SOUND ACOUSTIC SPACES



AACA COMPETENCY: Design

MODULE OUTLINE: Room acoustics may affect speech intelligibility, or may account for a loss of privacy. Soundwaves inside a space are reflected, absorbed and dispersed by its boundaries, finishes, furniture, as well as those occupying the space. Acoustics is an integral factor in indoor environmental quality, and it is essential that surface finishes and systems are selected which enhance functionality of any space relative to its design usage. This module will provide you with a complete fundamental overview of acoustics in the commercial and public architectural environments.

LEARNING OBJECTIVES:

1. Identify the two key parts of room acoustics 3.1 Conceptual Design
2. Recognize the role of acoustic products and assemblies 3.5 Conceptual Design
3. Identify design decisions that affect acoustic performance 3.7 Conceptual Design
4. Detail architectural acoustic product selection 6.5 Documentation

OUTCOME: Upon completion of this module, you will have a clear understanding of the fundamentals of acoustics. You will know the difference between acoustic products that absorb sound and acoustic assemblies that resist sound transmission. You will be familiar with other performance criteria that need to be considered for the right product selection. You will be able to make informed decisions and create innovative acoustic solutions. You will be presented with a CPD certificate for 1 Formal Point.

WHO MAY BENEFIT: Architects and designers who want to broaden and re-evaluate their knowledge of acoustic principles for architectural applications.

DURATION: 1 hour

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