



ACOUSTICS

Noise Control Solutions for Multi-Family Applications

- **Topic:** Noise Control Solutions for Multi-Family Applications
- **AIA Course Number:** RA2020001: 1 HSW/LU Credit Hour



Course Description

This course reviews the dynamics of sound, how sound travels through buildings, and architectural techniques used to control airborne, structure born, and flanking noise transmissions in multi-family buildings.

Purpose

Demand has increased for noise control in multi-family construction, driven by consumer demands and stricter enforcement of existing codes. Residential noise control is a key component of design as it affects occupant privacy and well-being.

Learning Objectives

At the end of this program, participants will be able to understand:

- What sound is and how it is transmitted
- The importance of noise control and building code requirements
- Proper acoustic design for walls and floor-ceiling assemblies
- Different types of underlayment and the benefits of using acoustic recycled rubber underlayment.