



## **Acoustics, Flooring and the Built Environment**

IDCEC Course #120631 Designation- HSW

AIA Course #AC03 Designation- HSW

### **Course Credits:**

1.0 CEU / 1 LU

### **Course Description:**

Because of trends in the market toward hard surface flooring, multi-story buildings, glass walls and open office, noise has suddenly become a renewed concern for architects, designers, building managers and property managers. This course provides background on how sound affects our health and wellbeing, how sound is measured and tested, and how flooring construction and flooring materials can help attenuate noise in multi-level buildings.

### **Course Objectives:**

1. The attendee can name at least two effects of noise on health.
2. The attendee can identify how much productivity is lost due to noise interruptions at work.
3. The attendee can identify the biggest frustration for employees in an open office setting.
4. The attendee can define decibels and hertz.
5. The attendee can name the three key tests for sound.
6. The attendee can identify the three types of sound.
7. The attendee can identify the type of sound that is NOT affected by floor covering.
8. The attendee can identify the types of sound that ARE affected by floor covering.
9. The attendee can name two types of floor covering that will reduce impact sound.
10. The attendee can name three flooring *construction* options that will reduce sound.
11. The attendee can name the International Building Code for IIC and STC.
12. The attendee can explain why noise is more of an issue now than in the past.