



Carpet Flooring 101

IDCEC# 125670 Designation – HSW

AIA# CF101 Designation - HSW

Credits: 1.0 CEU, 1 LU

Course Summary

Carpet Flooring 101 provides a foundational understanding of how carpet construction, fiber selection, backing systems, and performance metrics influence health, safety, and long-term functionality in commercial interiors. This course explores common carpet types, fiber materials, dye methods, and critical specification measurements such as density, gauge, and tufted weight. Participants will learn how testing standards related to fire resistance, smoke density, static control, and durability support occupant safety and code compliance. The course also addresses installation considerations and maintenance strategies that impact acoustics, comfort, appearance retention, and overall building performance..

Course Objectives:

1. Identify how carpet construction, fiber types, backing systems, and density influence durability, safety, acoustics, and occupant comfort in commercial environments.
2. Evaluate carpet performance characteristics—such as fire resistance, smoke development, static control, and appearance retention—using industry testing standards to support safe material selection.
3. Apply appropriate carpet specifications and installation methods to reduce slip-and-fall risks, accommodate transitions, and ensure long-term performance in high-traffic areas.
4. Explain how proper maintenance strategies and material choices contribute to indoor environmental quality, lifecycle performance, and the overall health and welfare of building occupants.