

Innovative Insulation Technologies and their Fitness for Use



Course Description

Insulation has come a long way from the days of bulky foams, fiberglass and mineral fiber products. Today's rigid insulation board technologies offer architects and builders choices that can optimize energy efficiency, moisture resistance and fire performance – and provide thinner walls to increase leasable space and ROI. Specific rigid insulation board technologies are suitable for foundations, floors, walls, and soffits. By understanding these technologies, architects can select the best insulation type for each part of a project.



Learning Objectives

- 1 Describe the three methods of heat transfer and how insulation addresses each one.
- 2 Describe several types of rigid insulation board technologies and their “fitness for use” in different applications.
- 3 Discuss strategies for designing thinner walls while maintaining or increasing thermal performance.
- 4 Identify the fire performance characteristics of different rigid insulation board technologies.

