



Continuous Insulation: Spray Polyurethane Foam vs. Rigid Foam Board

Provider: Icyene Inc.

AIA Provider Number: J329

AIA Program Number: ICY-153360-00

Length of Program: 1 Hour

Learning Units: 1 HSW/LU Credit

Learning Objectives

1. Identify the characteristics of high performance continuously insulated exterior wall assemblies.
2. Compare the characteristics of rigid board insulation with those of medium density spray foam insulation for use in exterior wall assemblies.
3. Investigate the use of spray foam insulation to achieve multiple performance traits in one product including thermal, air, and water resistance.
4. Assess the ability of spray foam insulation to be installed with fewer steps and at a lesser cost than assemblies using rigid foam insulation.

Course Description:

The design of exterior wall assemblies has become increasingly focused on performance for greater energy efficiency and resistance to air and water penetration.

The 2015 International Energy Conservation Code and ASHRAE 90.1 now requires insulation that is continuous in wall assemblies, (i.e. not interrupted by studs, framing, etc.) in all eight climate zones within the United States. This push for continuous insulation in exterior wall assemblies is also reflected in green building standards and the desires of building owners to reduce energy costs.

Program Contact Information

Date and Time

Location



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