Continuous Insulation for Commercial Walls

High performance through sprayed-in-place foam insulation

Provider: Icynene Inc.

AIA Provider Number: J329

AIA Program Number: ICY08012013

Length of Program: 1 hour

Learning Units: 1 LU/HSW

Learning Objectives

After completing this program, you should be able to:

1. Identify the characteristics of high-performance spray foam continuously insulated exterior wall assemblies.
2. Investigate the numerous opportunities to use spray foam insulation to achieve thermal performance goals.
3. Assess the ability of spray foam insulation to act as an effective air sealing barrier that prevents unwanted air infiltration.
4. Recognize the ways that thermal bridging can be thwarted in wall assemblies using continuous spray foam insulation.

Spray foam insulation offers a complete energy performance solution for wall construction in commercial design. Low-density open cell spray foam insulation provides an ideal means to completely insulate stud cavities while eliminating the potential for internal convection currents that could otherwise reduce performance. It also provides an effective air barrier to seal all areas and openings in a framed wall cavity. Medium-density closed cell spray foam insulation provides a high-performance solution for adding continuous insulation and an air barrier all in one product on the outer surface of sheathing on a framed wall. It will also cover smoothly and completely over all of the areas that could otherwise provide energy draining thermal bridges. The end result is a total high performance wall assembly solution that can enhance and work with virtually any architectural design approach. And, by virtue of that higher performance, the building owner will reap the benefits of energy cost savings and longevity of building for years to come.

Program Contact Information

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Date & Time

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Location

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