



Continuous Exterior Insulation AIA CES Course

Higher Performance Building – Part 2

AIA CES Course Number: CDP104 · AIA CES Provider Number: K203 · 1 Hour / 1 Learning Unit

Course Description

“Effective” thermal performance is replacing simple R-values in modern, high performance commercial buildings. For most buildings, continuous exterior insulation will be the new normal. This presentation will help you understand thermal control fundamentals, changing codes and standards, and how to detail enclosures with continuous exterior insulation. You will come away with solutions to problematic thermal bridges and an understanding of how higher levels of thermal control affect enclosure design.

Learning Objectives

At the end of the this course, participants will be able to:

1. Understand the importance of thermal control for high performance commercial buildings.
2. Understand the fundamental building science behind thermal control and continuous exterior insulation.
3. Describe alternate approaches to exterior insulation and know which insulation materials are appropriate for each.
4. Identify thermal bridging elements during design and understand common solutions.



Credit(s) earned on completion of this course will be reported to AIA CES for AIA members. Certificates of Completion for both AIA members and non-AIA members are available upon request. This course is registered with AIA CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product.