



The American Institute of Architects Continuing Education Systems
AIA/CES Registered Provider Program Summary

Provider Name: CertainTeed Corporation K032

Program Title: BSP 50 – The Science of Specifying Moisture and Mold Control in Framed Wall Assemblies

Length: 1.0 hr Credits: 1.0 (Learning Units) HSW: Yes (Yes or No)

Program Overview:

This course focuses on those factors that contribute to both the presence and absence of moisture, and hence mold, in framed wall assemblies. It also reviews both the principles and practices that designers should be aware of when designing framed wall assemblies so that they can minimize the problems of moisture and mold. The course goes into detail on both the structural factors that pertain to preventing moisture problems in framed wall assemblies, and the advantages and disadvantages of eight kinds of wall sheathing substrates

Learning Objectives: Performance to be completed, under what condition, and against what criterion?

- Describe how building envelope science addresses defects and failures in wall assemblies
- Describe the following as they relate to the principles of building envelope design:
 - Moisture Movement
 - Relative Humidity
 - Science of Climates
 - Water Forms
 - Moisture and Dew Point
 - Air Pressure
 - Heat Flow
- Describe the principle considerations pertaining to the design and construction of wall assemblies that address moisture and mold issues
- Discuss each of the principle structural details of framed wall assemblies as they pertain to moisture problems
- Discuss the advantages and disadvantages of eight kinds of wall sheathing substrates in the context of moisture control

Facilitator Qualifications (include name and qualifications for each):

Method of Delivery: Seminar

Audio/Visual required: PC and LCD Projector

Cost to participants: None

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