



**AIA ACCREDITED
EDUCATIONAL
PRESENTATIONS**

5 Critical Roofing Performance Considerations

Provider: FiberTite
Course #: FTR104
Learning Units: 1 HSW



Description:

There are a host of factors that can effect long term roof performance, but roofing consultants agree there are five major criteria that have the greatest influence. This AIA CES registered presentation provides a brief description and installation methods of the six major roofing systems for low- slope roofing: Built-Up, Modified Bitumen, EPDM, PVC, TPO and KEE. This is followed by a discussion on the major performance criteria that effects the life of the roof; e.g., UV, Wind, etc, narrowing a broad list down to the top five. Lastly, we'll compare how these six major roofing systems typically perform vs. these top five performance criteria.

Learning Objectives:

- Identify and Discern the Six Basic Low Slope Roofing Membrane/Systems
- Understand the Installation Methods and Options Associated with the Six Basic Low Slope Systems
- Learn the Objective Measurements Behind the Five Critical Performance Criteria Associated with Roof System Longevity
- Learn How the Six Basic Low Slope Systems Compare when Evaluated by the Objective Performance Criteria

Continuous Insulation: Energy Efficiency and Performance Comparison of "ci"

Provider: Hunter Panels
Course #: HP109
Learning Units: 1 HSW



Learning Objectives:

- How and why have insulation materials evolved over time?
- What are some sustainability attributes of various types of "ci" products
- What are the major factors that impact installation of "ci"
- How does air and water performance of fibrous vs foam insulations
- What are some new ideas for simplified designs for exterior walls incorporating "ci"



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Navigating the Challenges for a Better Performing (and code compliant) Wall Assembly

Provider: Hunter Panels

Course #: HP115

Learning Units: 1 HSW



Learning Objectives:

- Understand how continuous insulation requirements have evolved in the IBC/IECC as next generation versions of the codes have been introduced
- Understand the importance of materials testing and how they affect continuous insulation materials selection, code compliance and performance
- Understand how the materials tests affect functionality and design of a wall assembly
- Understanding the performance dynamics of different types of wall assemblies that incorporate continuous insulation
- A discussion of Hybrid wall assemblies with different types of insulation

Managing Condensation, Water Intrusion, and Energy in the Real World

Provider: PROSOCO

Course #: PRO014

Learning Units: 1 HSW



Description:

Window-opening air and water leakage has been a difficult problem for the construction industry. This course evaluates building failures, conventional construction approaches, and new developments in waterproofing techniques to show a path forward for designers seeking higher-performing wall assemblies.

Learning Objectives:

- Explain why job-site conditions should be used as systems engineering requirements in construction product development.
- Compare and contrast the similarities and differences between silicone, urethane, and STPE sealants.
- Describe the multi-step waterproofing process of conventional window installation and how such installations fare in real-world testing conditions.
- Explain new window waterproofing techniques using liquid flashing membranes.
- Instruct others on construction defect remediation using STPE technology through case-study examples.

Sealants – A to Z

Provider: PROSOCO
Course #: PRO021
Learning Units: 1 HSW



Description:

A basic understanding of how sealants work, how they should be installed and why, and a guide to potential failures.

Learning Objectives:

- The basic chemical make-up of common sealants types on the market, and why this is important to you.
- A sealants' goals in life, what they do, why they can do it, things that they cannot do, and why they fail.
- Important sealant properties and why you should be aware of these including potential aesthetic changes in substrates and sealants.
- The Big Six of Sealant Installation (Clean, prime, back, shoot, tool, and quality control) and why you should care.

A Comparison of Liquid Applied Rough Opening Prep & Air Barrier Chemistry, Performance, Capabilities & Applications

Provider: PROSOCO
Course #: PRO029
Learning Units: 1 HSW



Description:

A brief step back to discuss why Air Barriers are important, and then a discussion around which properties are really important in a Rough Opening Preparation, and Air Barrier Material. A listing of the chemistries of the major Fluid Applied Rough Opening Prep and Air Barrier materials follows with a review (based on Product Data Sheets, Installation Guilds, Safety Data Sheets, other literature pieces and Industry Knowledge) follows with some of the pluses and minus for each chemistry.

Learning Objectives:

- A basic overview of how Fluid Applied Rough Opening Preparations and WRB's came into being – a little history of how we arrived here.
- A high-level view of the different Fluid Applied Rough Opening Preparations and WRB's on the market today.
- Discuss some of the advantages and disadvantages of all chemistries.
- Walk away with a better understanding of your options.