



AIA 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

What is Very Severe Hail?

Provider: FiberTite
Course #: FTR108
Learning Units: 1 HSW



Description:

With the implementation of the Very Severe Hail (VSH) impact-resistance classification in 2016, everyone in the value-chain of commercial roofing needs to be equipped to answer seemingly simple questions: what is VSH and how do I choose the right resilient roof system to meet the standard's requirements?

Learning Objectives:

- Discuss the what, where, and why of VSH: macro-market need, geographical implications, system requirements, and what this all means to you.
- Explain the development of a standard: VSH test methods and the approvals process.
- Explore system design and roofing success: why history of performance is critical in decision-making.
- Predict where VSH will go from here: how to navigate the evolution of the standards and system requirements.e Performance Criteria



AIA PRESENTATIONS

The Role of Air & Water Resistive Barriers In The Building Envelope

Provider: PROSOCO
Course #: PRO007
Learning Units: 1 HSW



Description:

An introduction to air and water-resistive barriers and how they work. The role of air leakage in causing mold in walls and high energy costs is explained. The program includes discussion of the different products on the market. It also explains why contemporary building envelopes need these products now more than ever before.

Learning Objectives:

- Discuss at least two factors behind the increasing use of air barriers.
- Describe how uncontrolled air moves through building envelopes.
- Compare/contrast air and vapor barriers.
- Support the use of vapor permeable air barriers.
- Identify key criteria for effective air barriers.

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 weatherproofing process of conventional window installation and how such installations fare in real-world testing conditions.
- Explain new window weatherproofing techniques using liquid flashing membranes.
- Instruct others on construction defect remediation using STPE technology through case-study examples.



AIA PRESENTATIONS

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.

Introduction To Existing Building Retrofits

Provider: PROSOCO

Course #: PRO036

Learning Units: 1 HSW



Description:

This program introduces building retrofits as a method to achieve green building standards by adapting existing structures. While a building retrofit may have several types of interventions, participants will learn how effective air sealing will improve overall occupant comfort, health, and safety. This includes a detailed look at sources of air leakage and the various methods to address this infiltration. Several real-world examples will demonstrate the importance of identifying source of air leakage, investigating existing conditions, and proper detailing.

Learning Objectives:

- Define building retrofits and identify goals of interventions.
- Illustrate how effective air sealing can help achieve goals of retrofit.
- Identify common sources of air leakage.
- Explain how to implement air sealing in a building retrofit.



AIA PRESENTATIONS

Applications in Sustainable Technology of Rooftop Equipment

Provider: PHP Systems/Design

Course #: PHP202

Learning Units: 1 HSW



Description:

This course provides in-depth insight into the uses and benefits of pipe and equipment rooftop support applications. It includes discussions on safety issues, installation options, components and assembly, as well as the elements of design and engineering of the supports. Learn the positive benefits of these systems and avoid the pitfalls of wrong design and application. Identify the reasons that dictate a long term sustainable system, maximizing the longevity not only of the roofing system, but the equipment and components supported as well.

Course Highlights:

- Consequences of inadequate support apparatuses
- Design process and the options available during each stage
- Point loading of the roof system, structure and the long term effects
- Problems associated with thermal expansion and contraction
- Violating your roofing system warranty• Increasing safety concerns
- Support methods



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