

List of 2011 AIA Presentations

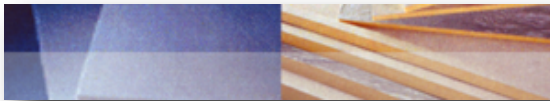
••• Moisture Management in Steel Stud Walls Using Rigid Insulation (1MMSSW) 1 credit

Participants will have the opportunity to....

Understand how moisture accumulates in steel stud/frame wall cavities.

Learn about design challenges associated with steel stud/frame walls and the continuous insulation (ci) solution.

Evaluate and specify methods that reduce moisture build-up in steel frame walls based on specific geographical locations.



••• Insulation for Cavity Wall Applications (CAVXPS) 1 credit

Participants will have the opportunity to....

Understand the "Rain Screen" principle.

Discover why steel and/or masonry walls are thermally inefficient.

Identify the proper placement of building envelope insulation.

Compare various building envelope insulation alternatives.

Understand moisture control and air barriers in cavity walls.

About the presenter...

ED FUHS has been in the insulation business for more than forty years. He attended Duquesne University in Pittsburgh, PA, and was with the Celotex Corporation for thirty-five years. After managing Celotex's insulation business Ed began Fuhsco, Inc., an independent sales agency. Fuhsco has been operating since 2001. Ed is a member of the Construction Specifications Institute (CSI), ASHRAE, a past member the Society of the Plastics Industry, and was a founding member of the Polyisocyanurate Insulation Manufacturer's Association. As President of Fuhsco, Inc., he is responsible for both operations and sales.

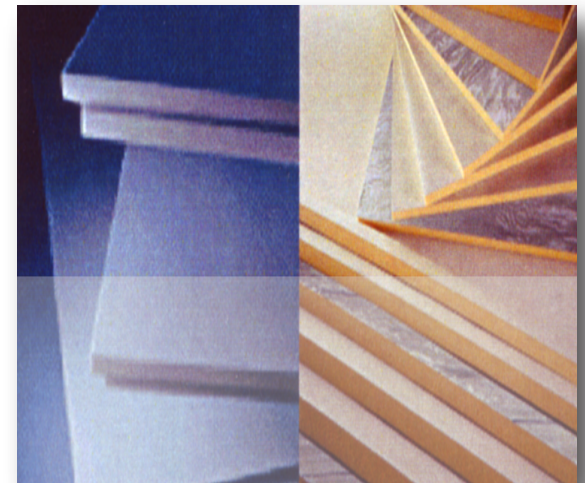


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2011 Authorized AIA Presentations



Dow Building Solutions

•••Using Rigid Insulation in Standing Seam Metal Roofs (RISSMR) 1 credit

Participants will have the opportunity to....

Review various construction methodologies.

Investigate what properties are critical for rigid insulation use.

Understand fire performance, code compliance and sustainability features.

••• Designing Energy Efficient Steel Stud Wall Assemblies (EEWALL) 1 credit

Participants will have the opportunity to....

Discuss the design components that increase thermal performance, decrease condensation potential and reduce air infiltration.

Review constructability and performance features.

Understand code requirements (fire, structural, air water, vapor).

Identify sustainable features.

••• Conventional Roof Insulation - Making an Informed Decision (CONVRF) 1 credit

Participants will have the opportunity to...

Identify what is a conventional roof.

What insulation to use.

Understand the 'real' R-value and how to meet sustainable building design criteria with a conventional roof.

••• Protected Membrane Roof Installation Guidelines (PMRIGL) 1 credit

Participants will have the opportunity to....

Understand the construction of protected membrane roofs.

Discuss PMR components including insulation, fabric, ballast, pavers, membranes, docks and flashing.

Review fire and wind ratings.

••• Roof Insulation for Sustainable Buildings (ROOFSB) 1 credit

Participants will have the opportunity to....

Understand the physical properties of rigid, foam plastic insulation used in roofing applications.

Understand how rigid insulation products relate to sustainable building design.

Review different roofing assemblies using rigid, foam plastic insulation.

••• Continuous Insulation for Metal Buildings (0INMB1) 1 credit

Participants will have the opportunity to...

Review the difference types of metal building insulation.

Understand how to maximize thermal performance while meeting code requirements.

Discuss design requirements for high humidity and moisture conditions.

••• Non AIA Presentations
(No AIA credits, just information)

1. North American Green Sales Presentation.

2. US Protected Membrane Roof (PMR) sales presentation.

3. Florida Walls and Myths, Mold, "Mildew" Thermal Short Circuits, Mass Effect, Moisture Control and Air Infiltration.

4. How Insulations work and how they are tested. The difference between fiberglass, spray polyurethanes (1/2#, 2#, 3#) and rigid plastics (thermal sets vs. thermal plastics: open cell vs. closed cell: reflective vs. non-reflective). Performance: Thermal Short Circuits, Mass Effect, Moisture Control and Air Infiltration.

5. Where are the dew points and how to calculate them.

6. Styrofoam Ultra a better approach for higher R values.



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