Preventing Moisture, Air, and Vapor in the Building Envelope

For Architects, Engineers, Specifiers, Contractors, Building Owners and Managers, and Building Code Officials

Earn 5 AIA Approved HSW Learning Units for Architects
AIA Learning Units May Qualify for PDH’s for Engineers Depending on State Licensing Board Requirements

Preventing Moisture, Air, and Vapor in the Building Envelope
A Day of Continuing Education

Causes and Solutions for Water and Vapor Transmission in Concrete Slabs
Critical Roofing Details to Prevent Moisture Intrusion Sealants and Adhesives for Prevention of Air and Water Infiltration
The Role of Air Barriers in Cavity Wall Construction

Earn 5 AIA Approved HSW Learning Units for Architects
AIA Learning Units May Qualify for PDH’s for Engineers Depending on State Licensing Board Requirements

Date and Location
Tuesday, June 27, 2006
8:00 AM to 2:45 PM
Regional Planning Commission
1731 1st Avenue North
Birmingham, AL 35203
205/251-8139
### Preventing Moisture, Air, and Vapor in the Building Envelope

**June 27, 2006 – Birmingham, AL**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00 a.m.</td>
<td><strong>Registration</strong></td>
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<tr>
<td>8:30 a.m.</td>
<td><strong>Opening Remarks</strong></td>
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<tr>
<td>8:45 a.m.</td>
<td><strong>Sealants &amp; Adhesives for Prevention of Air &amp; Water Infiltration by May National</strong></td>
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<td>11:30 a.m.</td>
<td><strong>Lunch</strong></td>
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<tr>
<td>12:15 p.m.</td>
<td><strong>Critical Roofing Details to Prevent Moisture Intrusion by GenFlex Roofing Systems</strong></td>
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<tr>
<td>1:30 p.m.</td>
<td><strong>The Role of Air Barriers in Cavity Wall Construction by PROSOCO Incorporated</strong></td>
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<td>2:45 p.m.</td>
<td><strong>Close</strong></td>
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#### Critical Roofing Details to Prevent Moisture Intrusion by GenFlex Roofing Systems

- **Moisture Intrusion**
  - Common problems that can be prevented with proper understanding and design
- **Critical Roof Details**
  - Prevent moisture infiltration in both horizontal and vertical applications.
- **Application**
  - Critical details for membrane systems and how to inspect for compliance
- **Designing for High Winds**
  - How to keep high winds in check and moisture out of your building through proper edge design
- **Model Building Codes**
  - Edge Metal requirements to meet Building Codes
- **Products and Performance**
  - Designing for high performance roofing systems that incorporate proper membranes, systems and edge design

#### The Role of Air Barriers in Cavity Wall Construction by PROSOCO Incorporated

- **The basics of air barrier design**
- **9 points to remember about air barriers**
- **Damage caused by uncontrolled air movement**
  - Air movement through wall assemblies
  - Liquid water vs. condensation
  - Mold and deterioration
- **Air barriers and energy efficiency**
  - Energy savings
  - LEED certification points
- **Vapor barriers vs. air barriers**
  - Diffusion
  - Permeable vs. impermeable
- **Building codes and moisture in walls**
  - Managing liquid water
  - Managing water vapor
- **Air barriers in construction**
  - Air barrier types
  - Checkpoints for effectiveness
  - Fluid-applied vs. fabric wraps
  - Water-based vs. asphaltic
  - Cost comparisons

### Registration (Lunch Included)

**June 27, 2006**

- **AIA Members:** $50.00
- **AIA Associate Members:** $25.00
- **Non-Members:** $75.00

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**Cancellation Policy:** 100% refund for cancellation made 14 days or more before event. 50% refund for cancellation made less than 14 days before event. No refund for cancellation made 7 days or less before the event.