

# ***Agenda & Course Presentation - PMC***

8:30 AM

## **Registration Begins**

Morning pastries, fruit and coffee provided

9:00 - 10:00

## **Reducing Pesticide Usage by Incorporating Pest Barriers into the Building Envelope (IPO07B)**

### **Credits Earned:**

1 AIA HSW/ LU Credit Hour | AIA Course ID #: IPO07C | AIA Provider: Polyguard Products, Inc. | Presenter: Cassie Krejci

### **Course Description:**

The building envelope has proven its value in controlling energy loss and moisture. But why not design the envelope to eliminate most future pesticide usage? This can be done if the envelope also acts as a barrier to keep pests out. Research, and testing by Texas A&M University, begun in 2000, has shown that there are several materials which can block termites, insects, and almost all other pests from entry to a structure. Tested and proven pest barrier materials can seal off almost all pest entry points. Since differential movement of building components within the structure can create gaps, crevices, and cracks, the barrier must have elastomeric properties which can accommodate component movement. Drastically reducing the opportunity for pest entry will cause a significant reduction in future pesticide, as well as improve the quality of life for occupants.

### **Learning Objectives:**

1. Review current concerns about pesticide use
2. Discuss current requirements for pesticides during pre-construction
3. Describe the numerous ways pests enter structures
4. Discuss the forces of nature which cause building components to move, creating new or enlarged pest entry points

5. Discuss the development of several new materials which can act as barriers to pests
6. Explain several new design features which can add pest barrier capability to the building envelope
7. Explain three new levels of pest barriers, ranging from low cost entry level, to heavy duty premium in cost, for specifiers to choose between
8. Discuss LEED credits applicable to the new material and design alternatives

10:10 - 11:10

**The Solar-Ready Roof: Optimize the Design** (MRIL1411)

**Credits Earned:**

**1 AIA LU/HSW Credit Hour | Course #: MRIL1411 AIA Provider: S-5! | Presenter: Ron Gardner**

**Course Description:**

Learn Basics of the Solar System Learn Terminology Review Different Components Discuss the Solar-Ready Review Process Review Various Roof Applications Review How to Optimize the Solar Design.

**Learning Objectives:**

1. Describe basics of solar PV systems, components and rooftop applications.
2. Enumerate the steps of the review process for a Solar-Ready Roof.
3. Explain why a metal roof is a perfect solar platform.
4. Understand why non-penetrating mounting systems are beneficial.

11:20 - 12:20

**The Application and Finishing of Gypsum Wallboard** (AG022017)

**Credits Earned:**

**1 AIA HSW/ LU credit hour | AIA Course ID #: AG022017 | AIA Provider: American Gypsum Company, LLC. | Presenter: Bob Ek**

**Course Description:**

What tools are available to the design professional, contractor or building owner to ensure that the correct specifications are developed and then accurate installation of drywall panels are provided on the interiors of their projects? This course will explore the leading industry documents that detail the code approved standards and proper methods for the application and finishing of gypsum wallboard.

**Learning Objectives:**

1. ASTM C840 specifies that during the application of joint treatment, texturing, and decoration of gypsum wallboard that the room temperature be maintained at not less than \_\_\_°F for 48 hours prior to application and continuously thereafter until completely dry. A. 40°F B. 50°F C. 32°F D. There is no minimum temperature requirement
2. True or False - when gypsum wallboard is installed on walls, the bottom edge of the panel shall be no less than 1/4" above the floor. Answer (True)
3. Where critical lighting cannot be avoided, the effects on finished gypsum wallboard can be minimized by: A. Skim coating the entire wall or ceiling surface B. Apply or decorate the gypsum wallboard with medium to heavy texture C. The use of draperies and blinds which can soften shadow D. All of the above
4. The fire rating assigned to 5/8" Type X gypsum wallboard is: A. 45 minutes B. 1 hour C. None, the fire rating is always assigned to the entire assembly D. None of the above

12:30 - 1:30

**Lunch Presentation- Soup To Nuts (ICC09A)**

Lunch is Provided

**Credits Earned:**

**1 AIA HSW Credit Hour | Course #: ICC09A | 1  
GBCI Credit Hour for LEED Professionals | AIA  
Provider: CureCrete | Presenter: Deke Rife**

**Course Description:**

This course will provide an understanding of the benefits and limitations of both steel trowelled, and polished and chemically densified concrete floors. The learner will recognize how specifications can be a critical tool for influencing the final outcome. Environmental impacts of these technologies will be explored in context of the LEED rating systems, and we will conclude by discussing environments and industries conducive to densified concrete, whether steel trowelled or polished.

**Learning Objectives:**

1. Explain the densifying and polishing process and differentiate it from traditional floor coatings.
2. Differentiate polishing/grinding techniques and assess their sustainability factors
3. Identify the sustainable attributes of concrete in terms of materials, indoor air quality, and energy savings and how this can contribute to points in LEED v3 and LEED v4.
4. Explain the role of densified and polished concrete in passive solar design.
5. Identify the benefits of densified and polished concrete floors in terms of design flexibility, maintenance, energy savings, and occupant health.

1:40 - 2:40

**CYA: Covering your ADA. What You Must  
Know as an Architect and Engineer (17000002)**

**Credits Earned:**

**1 ADA Credit Hour of CA & TX State  
Accessibility/ ADA/ Barrier-free CE  
Requirements | 1 AIA HSW/ LU Credit Hour |  
AIA Course ID #: 17000002 | AIA Provider: The  
McIntosh Group | Presenter: Brad Gaskins**

**Course Description:**

This session will bring to light some of the common missed and misunderstood requirements of the ADA. Facility managers will learn common ADA barriers and which barrier removals are essential to your facility. This program will arm you with action items that will make your facility less vulnerable to complaints.

**Learning Objectives:**

1. Learn the number one lawsuit generator
2. Know the most common ADA barriers
3. Understand which version of ADA applies to your facility
4. Understand what is “close enough” to compliance

2:50 - 3:50

**Sustainable Lockers for Every Place and Purpose (ISP10J)**

**Credits Earned:**

**1 AIA HSW/ LU Credit Hour | AIA Course ID #:  
ISP10J | Provider: Scranton Products | Presenter:  
Brian Fitzpatrick**

**Course Description:**

Through this one hour course, the design professional will learn about various material, configuration and hardware options for lockers and the different industries in which lockers are used. We will discuss how HDPE physical attributes, composition, and sustainability contributes to the

design and construction of any sustainable project. The design professional will understand the role of responsible manufacturing in a product's life cycle assessment, and which LEED v4 credits can apply.

**Learning Objectives:**

1. Compare and contrast different material types for lockers in terms of their makeup, maintenance, life span, and sustainable benefits to occupants and the environment
2. Define and describe the material characteristics of High Density Polyethylene (HDPE)
3. Identify different applications for HDPE plastic lockers and discuss design options that make them more user-friendly, ADA compliant, and aesthetically pleasing to end users based on those applications
4. List several ways HDPE materials offer LEED credit through topics that include noise reduction, construction waste diversion and low emitting materials
5. Explain how responsible manufacturing is a critical part of any product's life cycle assessment and give several examples of these environmental improvements over traditional manufacturing processes

4:00 - 4:50

**TBD** (TBD)

MB Technology Course details to be announced