

Agenda & Course Presentation – SAC

8:00 AM - **Registration Begins**
9:00 - 10:00 **Densified Concrete and Densified Polished
Concrete (CDI102)**

Credits Earned:

1 AIA HSW/ LU Credit Hour | AIA Course ID#: CDI102 | AIA Provider: CureCrete Distribution, Inc. | Presenter: Deke Rife

Course Description:

Learn more about the differences between densified concrete and densified-polished concrete. Identify how chemical densifiers can enhance the performance of concrete floors and the many alternatives and choices that are available on the market today. Also learn more about densified- polished concrete and how this process takes densified concrete one step further, providing all the benefits of a chemically densified floor, with an aesthetically pleasing decorative finish.

Learning Objectives:

1. Identify the differences between "densified concrete" and "densified-polished concrete."
2. Identify the challenges, disadvantages of using floor coatings and membranes as opposed to chemical densifiers. Identify the advantages of using chemical densifiers over floor coatings and membranes.
3. Identify the added benefits that polishing can add to densified concrete and the low life cycle cost factor when compared to other types of flooring materials and coverings such as tile, terrazzo, etc.
4. Learn how the process of concrete densification eliminates the need for additional applications, and can enhance

the overall performance of concrete for the life of the floors, when using the right chemical densifier product.

10:10 - 11:10 **Drafting an Understanding of Densified & Polished Concrete (ICC03A)**

Credits Earned:

**1 AIA HSW Credit Hour | Course #: ICC03A |
1 GBCI Credit Hour for LEED Professionals |
GBCI Course #: 0920002811 | 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:

5. Explain the densifying and polishing process and differentiate it from traditional floor coatings.
6. Differentiate polishing/grinding techniques and assess their sustainability factors
7. 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.
8. Explain the role of densified and polished concrete in passive solar design.
9. Identify the benefits of densified and polished concrete floors in terms of

design flexibility, maintenance, energy savings, and occupant health.

11:20 - 12:20 **Continuous Insulation for Commercial Walls
High performance through sprayed-in-place
foam insulation** (ICY-0801-2013)

Credits Earned:

**1 AIA HSW / LU Credit Hour | AIA Course #:
ICY08012013 | AIA Provider: Icynene
Corporation | Presenter: Bill Clark**

Course Description:

Spray foam insulation offers a complete energy performance solution for wall construction in commercial design. Low-density open cell spray foam insulation provides an ideal means to completely insulate stud cavities while eliminating the potential for internal convection currents that could otherwise reduce performance. It also provides an effective air barrier to seal all areas and openings in a framed wall cavity. Medium-density closed cell spray foam insulation provides a high-performance solution for adding continuous insulation and an air barrier all in one product on the outer surface of sheathing on a framed wall. It will also cover smoothly and completely over all of the areas that could otherwise provide energy draining thermal bridges. The end result is a total high performance wall assembly solution that can enhance and work with virtually any architectural design approach. And, by virtue of that higher performance, the building owner will reap the benefits of energy.

Learning Objectives:

10. Identify the characteristics of high-performance spray foam continuously insulated exterior wall assemblies.

11. Investigate the numerous opportunities to use spray foam insulation to achieve thermal performance goals.
12. Assess the ability of spray foam insulation to act as an effective air sealing barrier that prevents unwanted air infiltration.
13. Recognize the ways that thermal bridging can be thwarted in wall assemblies using continuous spray foam insulation.

12:00 - 12:30

Lunch Begins
Lunch Provided

1:00 - 2:00

Innovations in Hand Dryers: Improvements and Impacts on Sustainability (IWD10A)

Credits Earned:

**1 AIA HSW Credit Hour | Course #: IWD10A |
1 GBCI Credit Hour for LEED Professionals |
GBCI Course #: 0920003201 | AIA Provider:
World Dryer | Presenters: Scott Mauer**

Course Description:

In this one-hour course, we'll discuss the evolution of electric hand dryers and how today's high-speed, energy efficient dryers minimize impacts on the environment while providing a speedy and efficient user experience with lower operation and maintenance costs. We'll also explore an array of high-speed hand dryer features including HEPA filter, antimicrobial technology, ADA compliance, maintenance indicator and sound and speed controls to address the unique needs of various application environments. Learners will also gain insight into how specifying high-speed, energy efficient hand dryers contributes to green initiatives.

Learning Objectives:

Upon completion of this course, the design professional will be able to:

14. Describe the innovations of hand dryers on the market today and how new technology has improved the hand drying experience
15. Discuss how dryer speed and heating elements affect drying time, sound level and energy efficiency
16. Explain design requirements and installation for ADA and wall mounting
17. Understand the sustainability of hand drying methods regarding hygiene and environmental impacts
18. Define the benefits of hand drying in terms of cost, payback and ROI
19. Describe green building contributions of high speed hand dryers and which LEED credits they may contribute to

2:10 - 3:10

TBD
TBA

3:20 - 4:20

Course TBD (ABCDEF)