



**Continuing Education Systems (CES)
Registered Provider Program Summary Handout**

| | | |
|-----------------|---|-----------------------------------|
| Provider: | ISE Logik Industries, Inc. | Provider Number: 404108239 |
| Program: | Design with Assurance: No Wait for Lightweight | Credits: 1 LU Hour |
| Program Number: | ISL03M | Length: 60 Minutes |

Session Detailed Description: Since the 1920s, designers and owners have benefited from the use of structural lightweight concrete. Unfortunately, over the past few decades, some designers have turned away from specifying structural lightweight due to incomplete evaluation of the full life cycle benefits of lightweight aggregate concrete, and substantial misunderstandings surrounding concrete moisture vapor emissions. During this course we will explore the full sustainable aspects conveyed through the use of structural lightweight concrete and illustrate to the attendee how structural lightweight concrete is the sustainable design option. Further, we will discuss the need, and associated benefits, of implementing a systematic approach to designing structural lightweight concrete slabs in conjunction with subsequent flooring, coating, or roofing materials.

Learning Objectives: Upon completion of this course, the participant will be able to:

1. Discuss the beneficial attributes of structural lightweight concrete.
2. Recognize the requirement to design the structural slab as a system with subsequent flooring, coatings, and roofing.
3. Contrast the current approach for testing for concrete moisture against the principles of sustainability
4. Specify appropriate sustainable design processes to maximize the benefits of structural lightweight concrete while proactively addressing concrete moisture vapor emissions.
5. Calculate the time, financial, and sustainable design impacts of specifying a structural lightweight concrete slab system warranted against moisture vapor emission

How Taught: This program is delivered via PowerPoint presentation utilizing current, relative information associated with successful flooring/slab coating material installation derived from the appropriate literature. The CES facilitator further utilizes the organization's 033000 Cast-In-Place Concrete Section and 09 Sections related to final concrete slab finishes to substantiate the course material in a "live case study" format.

A/V Needs: The CES facilitator will supply their personal laptop from which to conduct the program. Ready access to electrical power is normally required, as is a projector and blank surface on which to project. If desired, the program can be placed on a flash drive and run off existing A/V equipment.

Target Audience: Architects, interior designers, structural engineers, general contractors, concrete sub-contractors, and project owners all benefit from this course offering.

Facilitator Qualifications: ISE Logik Industries brings together the top individuals in MVRA technology and distressed flooring investigation; individuals involved at the national level on committees and associations spanning resilient flooring and ready mixed concrete. All CES facilitators for our program have been trained on CES guidelines and presentation skills and strive to deliver the best in continuing education.

Costs: This program is delivered at no cost.

| <u>NAME</u> | <u>PHONE NUMBER</u> | <u>EMAIL</u> | <u>WEBSITE</u> |
|---------------|---------------------|--|--|
| Dean E. Craft | 585.474.3553 | decraft@iselogik.com | www.iselogik.com |