



AIA CONTINUING EDUCATION PROGRAMS

ALLIED CONCRETE PRODUCTS, LLC offers a variety of education programs for Architects and design staff. For AIA-Registered architects, programs offering one **(1) HSW Learning Unit (LU)** are available.

To schedule a free education program at your location, please contact Allied to schedule a presentation time of your convenience. There is no program charge and Allied will provide lunch gratis.

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PROGRAMS OFFERING ONE (1) LEARNING UNIT (1-HSW)

THEMAL PERFORMANCE OF CONCRETE MASONRY

Program #: NCMA 0502

Highlights:

- What is thermal mass?
- Why thermal performance depends on both thermal resistance and thermal mass.
- Factors affecting thermal performance
- Selecting insulation materials
- Analysis of different wall assemblies and location of insulation
- The affect of thermal bridging
- Control of air filtration

CRACK CONTROL IN CONCRETE MASONRY WALLS

Program #: NCMA 0503

Highlights:

- Causes of cracking and how to accommodate movement.
- Control joints: types, details and locations
- Wall ties and anchors

DESIGNING CONCRETE MASONRY WALLS TO RESIST MOISTURE PENETRATION

Program#: NCMA 0508

Highlights:

- Effects of moisture on the wall system
- Key components to provide moisture penetration resistance
- Masonry wall types and how moisture affects them
- The importance of redundancy in a wall system.
- Joint types and their ability to resist moisture
- Clear and other surface treatment water repellants
- Flashing material types, and locating flashing within a wall system

FIRE SAFETY WITH CONCRETE MASONRY

Program #: NCMA 0504

Highlights:

- United States fire statistics and trends
- Concepts of balanced design
- Methods of evaluating fire ratings for concrete masonry



SEGMENTAL RETAINING WALLS – CONSTRUCTION PROCESSES

Program #: NCMA 0510

Highlights:

- Types of products available
- The components of a SRW system
- Importance of solid
- How to properly install a SRE wall
- Reinforcement, capping and grading
- Special application such as radius walls, terraced walls and railing

CONCRETE MASONRY AND MOLD

Program #: NCMA 0515

Highlights:

- Explore the causes of moisture and mold problems; how materials, construction practices and design details can relate to mold growth; the public health and legal implications; and possible materials and design solution for healthy buildings. The focus is on concrete masonry units and proper construction techniques to counter interior mold.

SUSTAINABLE BUILDING PROJECTS: USING CONCRETE MASONRY PRODUCTS AND LEED

Program #: NCMA 0520

Highlights:

- This presentation discusses the environmental advantages of using concrete masonry and concrete hardscape products and how to obtain LEED credits by incorporating these products into building projects.

THE USE OF ARCHITECTURAL CAST STONE

Program #: CCS1

Highlights:

- Know the physical properties of cast stone
- Appreciate the application of Cast Stone into masonry construction
- Understand the limitations of shape, color, size and profile
- Recognize factors concerning durability of masonry products
- Learn about anchoring and connection details relevant to both Cast Stone trim and veneer applications
- Be familiar with Industry Standards for Cast Stone

COMPARING PORTLAND CEMENT LIME (PCL) TO MASONRY CEMENT

Program by Essroc:

Highlights:

- Brief history of masonry mortars
- Fundamental differences between masonry cement, PCL, and mortar cement
- Advantages of masonry cement mortars
- Efflorescence, causes and prevention

OTHER PROGRAMS AVAILABLE W/O LEARNING UNITS

CONCRETE BLOCK

Program developed by Georgia Masonry Institute – GIA

PERCEPTION OR REALITY – COMPETING SYSTEMS

Program developed by the Masonry Institute of Michigan (MIM)