



Healthy Walls = Rainscreen & Ventilation

Receive AIA Continuing Education Credits



American Institute of Architects **Keene Outline**

Methods of Wall Construction

- Load bearing masonry
- Barrier wall
- Rainscreen or cavity wall
 - Benefits of rainscreen

Problems

- Moisture issues
- Images of moisture damage

Research and Codes

- Studies on the need for rainscreen
- Building Codes related to moisture management
 - Exterior wall envelope
 - Weather protection
- Rainscreen statement
- Codes including Rainscreen
 - National Building Code of Canada
- BIA cavity wall recommendations and requirements

Component of a Rainscreen System

- Cladding types for rainscreen
- Airspace requirements
- Drainage plane, flashing, and drainage holes

Rainscreen Systems

- What to look for in a rainscreen product
- Important characteristics of drainage mats
- Manufactured stone installation instructions
- Lap siding details
- Fiber cement siding study
 - Images of projects
- Images of rainscreen on projects near you

Brick Cavity Walls

- Main types of airspace
- Brick cavities with insulation and airspace
- Solutions to drain one inch cavity
- What to look for in full wall drainage
- ATI wall drainage test study
 - Mortar bridging
 - Air flow
 - Drainage
- How to drain brick cavity walls



Call TODAY to set up a lunch meeting

877-514-5336

Learning Objectives

- ✓ Analyze the way that various wall systems are being detailed and identify potential flaws that can lead to moisture failures
- ✓ Review the benefits and principles behind having an airspace within the wall system
- ✓ Compare the performance of various wall systems using test results for rates of drainage and ventilation in mock-up wall systems
- ✓ Establish the best practices for designing and constructing a well drained and ventilated wall system

Keene Building Products is a registered provider with The American Institute of Architects Continuing Education Systems. Credit earned upon completion of this program will be reported to CES Records for AIA members. Credit includes Health, Safety, and Welfare (HSW) (1 Credit Hour).

Certificates of completion for non-AIA members are available upon request. This program is registered with the AIA/CES for continuing professional education. As such, it does not include content that may be deemed or construed to be an approval or endorsement by the AIA of any material of construction or any method or manner of handling, using, distributing, or dealing in any material or product. Questions related to specific material, methods and services will be addressed at the conclusion of this presentation.



P.O. Box 241353

Mayfield Heights, OH 44124

Info@KeeneBuilding.com

KeeneBuilding.com

877 | 514 | 5336

P 440 | 605 | 1020

F 440 | 605 | 1120