

**Provider: EMSEAL JOINT SYSTEMS**

AIA Course-BENVO1

**Learning Units: 1**  
**Course Designation:**  
LU/HSW/SD

**Course Title:** "Sealing the Building Envelope--Principles, Products & Practice"

Sealing the Building Envelope: Principles, Products & Practices / - BENV01 / 2011

Description: SEALING THE BUILDING ENVELOPE: PRINCIPLES, PRODUCTS & PRACTICES - WHY BUILDINGS LEAK – TYPICAL PROBLEMS

Learning Objective: Analyze how watertight, energy efficient, fire-rated expansion joints are the consequence of a process in which we design, detail, and specify in 3-D.

- Forces that cause moisture ingress, improperly sealed or failed joint seals.
- Joint Sealing-types of joints to include structural expansion joints and abutment joints between structures (ex. new and existing)
- Fundamental design issues affecting joint sealing
- Joint sealant product types
- Fire rated joints achieved with a single installation and factory fabricated universal 90s
- LEED contributions including R-value, STC & OITC ratings, and longevity