



PROFILE OF INNOVATION

## The American Institute of Architects Continuing Education System

### AIA/CES Registered Provider Program Summary Handout

**Provider:** Schluter Systems L.P. **Program #:** SCHL2A

**Program:** **Exterior Systems: Installations that will stand the test of time**

**Length:** 60 minutes (1.5 hour version also possible) **HSW:** Yes

**Credits:** 1 L.U.

**Description:** Some of the most demanding installations for hard surfaces are exterior applications. Certain industry experts recommend that exterior applications involving ceramic tile & natural stone not be carried out in freeze-thaw environments (north of the 40° parallel). This seminar will demonstrate that this is unsubstantiated and that, with a proper system, tile or stone can be installed in any environment.

The seminar will begin with an analysis of the principle causes of failure, such as thermal expansion and contraction, an inadequate waterproofing layer, edge detailing, and floor-to-wall connections.

The second half of the seminar will examine the proper assemblies for exterior applications and provide multiple solutions for creating an assembly that will stand the test of time. Actual damages will be shown, including structural and esthetic damages.

#### Learning

**Objectives:** At the end of this program, the participant will be able to:  
1) comprehend the challenges associated with exterior applications that incorporate tile and stone; and  
2) interpret and apply the new details and applications found in the TCA 2001 Handbook

**Approach:** A PowerPoint presentation incorporating photo images, video clips, and computer animation will be used. Handouts, including the latest edition of the Tile Council of America Handbook, will be distributed. There will be a question and answer period at the end of the program; however, questions are encouraged throughout.

**A/V needed:** Electrical power and a screen for the PowerPoint presentation.  
(The CES facilitator will supply the laptop and projector)

#### Target

**Audience:** Architects, specifiers, owners, and other design professionals in the residential and industrial/commercial markets. Ideal audience size: 10 to 20 people.

#### Facilitator

**Qualifications:** All of Schluter®-Systems' facilitators have been with the company a minimum of 3 years, and average 10 years in the tile industry. The CES facilitators receive in-house training on CES guidelines and presentation skills.

**Cost:** Non-applicable. There is no fee for bringing this program into a firm or chapter meeting.

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