

# Air Barriers: Increasing Building Performance, Decreasing Energy Costs

AIA/CES LEARNING UNITS

## Program Description

Uncontrolled air leakage could impact a building's energy consumption, indoor air quality, as well as lead to premature deterioration of building materials. This seminar provides an overview of air transport mechanisms through the building enclosure and the role of air barriers in preventing the uncontrolled airflow. The main topics will include the air barrier functions, benefits and performance requirements, current trends in air barrier codes and critical design considerations for the building envelope when choosing an air barrier membrane.

**Provider:** DuPont™ Tyvek® Weatherization Systems

**Program#:** SPIN2

**Program:** Air Barriers: Increasing Building Performance, Decreasing Energy Costs

**Length:** 1 hour

**Credits:** 1 LU Hour

**HSW:** Yes

## Learning Objectives

After attending this seminar, you should be able to:

1. Explain recent trends in air barriers for buildings
2. Understand the physics of air and moisture movement through the building enclosure
3. Understand air barrier functions, benefits and performance requirements
4. Select the appropriate air barrier for building projects.

## Teaching Method

The CES facilitator utilizes a PowerPoint presentation. An interactive session quizzes the audience on the basic material covered in each section in order to increase the learning experience. Printed handouts are often provided at the seminar, or electronic materials are made available to the attendees.

## A/V Needed

Electrical power and a screen for the presentation. The CES facilitator supplies the laptop and projector.

## Target Audience

This seminar is intended for architects, design professionals, specifiers, owners, contractors, code officials, building envelope consultants, and students at every experience level.

## Instructor Qualifications

All DuPont™ Tyvek® Specialists have received in-depth training on CES guidelines and this presentation in addition to Building Science, Specifications and the overall Building Design Process.

## Cost

There is no cost to bring this program to you, your firm or chapter meeting.

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