



Fire-Rated Glazing: Safe, Beautiful & Environmentally Sustainable Design in the Modern Architectural Landscape

Course Number: mcgrory080720 | **Provider ID:** 40107192 | **Credits:** 1 LU | HSW

Course Description:

With the advent of new, modernized fire-rated glass, architects, designers and building owners have access to a greater variety of options when it comes to fire-rated glazing and assemblies. However, since occupant health and safety is a top concern, designs must meet strict code and safety requirements for interior and exterior applications. Finally, environmentally sustainable and green initiatives must also be taken into consideration.

Today's fire-resistive and fire-protective glass and assemblies give architects more freedom to design sleek, eye-catching structures with decorative options for branding, wayfinding, privacy and more. Learn about the evolution of fire-rated glazing and what fire-resistive and fire-protective product categories are available to you, including environmentally friendly options.

We'll break down current International Building Code (IBC) requirements for architectural fire-rated glazing and related fire, hose stream and impact test standards. You'll leave the course with a solid understanding of fire-rated glazing, along with real-world examples of how you can use them in practical and aesthetically pleasing design.

Course Objectives:

- Learn the difference between fire-protective and fire-resistive ratings, and how fire, smoke and heat transfer can affect building occupants.
- Review real-world applications for fire-rated glass.
- Master required building codes and testing standards for fire-rated glazing.
- Examine environmentally friendly, or "green" options, and understand how to incorporate current fire-related glazing's into sustainable building design.
- Analyze the latest trends in fire-rated glazings and how you can use them most effectively and innovatively in architectural design.
- Using decorative glazing to promote the health and welfare of building occupants via daylighting features, privacy capabilities and wayfinding.
- Specifying fire-rated glass.