

Isolatek International is committed to providing complete turn-key fireproofing solutions for the protection of structural steel. We are dedicated to educating all project team members about fireproofing for the design, construction and service life of a building.

AIA/CES - Course Information:
IFSS/2014 - FIREPROOFING STRUCTURAL STEEL - Total Passive Fire Protection

This course is designed to provide a basic understanding and overview of current passive fireproofing materials and methods. Concentration is placed where, when, and why they are used. Also covered are topics such as hourly fire ratings, UL designs, building codes, LEED credits, and specification guidelines.

Participants will gain an understanding of the technical expertise required to ensure their projects are in accordance with building code/UL guidelines and completed in a cost effective manner.

Please refer to the back page for further course information.

FIREPROOFING STRUCTURAL STEEL -

Total Passive Fire Protection



PROGRAM SCHEDULING-

For further information or to set up a program at your facility, please contact:

Steve Petro
spetro@isolatek.com
(973) 571-9267

Isolatek International is registered with the AIA Continuing Education System (AIA/CES) and provides a program which meets the AIA/CES criteria. AIA members in attendance will receive 1 Learning Unit, which will be reported directly to the AIA/CES. This program qualifies for Health, Safety, and Welfare.

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General Outline

1. The Importance of Passive Fireproofing and Available Passive Fireproofing Solutions
Balancing Project Goals (Design Challenges/Codes/Fireproofing)
 - a. The behavior of steel under fire and the need to use passive fireproofing
 - b. How Building Code Requirements (Fire Resistive Ratings/Structural Members) influence fireproofing
2. Building Design Challenges
 - a. See where fireproofing is used in a typical building
3. Fire Testing
 - a. Structures and Fire Ratings
 - b. ANSI/UL 263 (ASTM E119) Test method and testing criteria
 - c. UL
 - Understanding how to interpret the Fire Resistance Directory
 - Why is UL Follow Up Service important
 - Selection of the proper UL designs
4. Types of Passive Fireproofing (Materials and Methods)
 - a. Spray-applied fire resistive materials (SFRMs)
 - Performance Specifications (Thermal and Physical)
 - Density Classifications
 - Application (Wet or Dry)
 - Areas of use
 - b. Intumescent fire resistive materials (IFRMs)
 - The design element (aesthetics, durability and coating thickness)
 - Performance Specifications (Thermal and Physical)
 - Attributes of water-based material
 - Optimizing steel sizes
 - Areas of use
 - c. Rigid board material
 - Thermal, insulation, and acoustical properties
 - Physical properties and fire ratings
 - Areas of use
5. Resources for Developing Contract Manual/Specification documents
 - a. Utilizing Master Spec® and others
 - b. Criteria for selecting materials
 - Physical properties/performance/new testing standards/LEED
6. Discussion/Questions & Answers/Industry Topics



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We support our customers with unsurpassed technical expertise and customer service, complemented by an extensive global network of experienced sales representatives and recognized applicators. For detailed product information or for the name of the sales representative in your area please contact us.



Isolatek International provides passive fireproofing materials under the CAFCO® trademark throughout the Americas and other markets and under the ISOLATEK® trademark throughout the world.

800.631.9600 or 973.347.1200
www.isolatek.com | sales@isolatek.com

