

International Spy Museum – Washington D.C.



The new International Spy Museum located in Washington, DC, is an eight-story, 140,000 square foot museum that features three floors of exhibit space, an interactive theater, educational, office, and event spaces. The project began in late 2016 and celebrated its grand opening in May 2019. Hickok Cole Architects created the museum's design to play on espionage and with its evocative form, columns of folded metal panel skin, and a pleated glass veil hiding what is on display inside.

Isolatek International's Recognized Applicator, Metro Dynamics Construction Specialties, Inc., applied CAFCO® 400 to the steel beams, CAFCO-BOARD® to the steel deck, CAFCO® SprayFilm® WB 4 to the interior and exterior columns of the museum, and CAFCO® FENDOLITE® M-II. Each product provides with LEED Certified building credits for recycled content and regionally sourced materials.



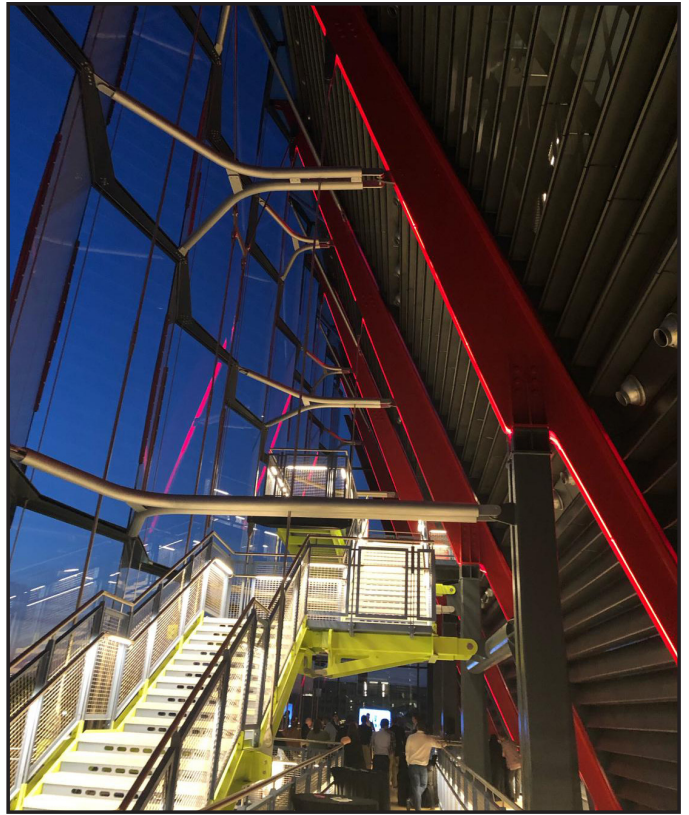
CAFCO-BOARD is a rigid, compressed mineral wool board that provides an alternative fireproofing method to spraying. Due to its mechanical fastening method and patented CAFCLIP™ system, CAFCO-BOARD can be used in conjunction with CAFCO Spray-Applied Fire Resistive Materials (SFRMs) like CAFCO 400 and CAFCO FENDOLITE M-II, to protect perimeter beams and columns, allowing the building to be enclosed before the application of the SFRM.

The structural beams supporting the floor assembly used CAFCO 400, a medium density SFRM to provide the required fire resistance

rating. Designed to provide fire protection for structural steel where higher levels of physical abuse or traffic may be anticipated. CAFCO 400 is a Portland cement-based formulation that provides protection in unconditioned environments, and combines the best fire resistive performance per unit thickness of all medium density SFRMs with exceptional in-place physical performance characteristics. Providing an efficient solution to achieve bond strengths in excess of 430 psf (20.6 kpa) and meeting requirements for the International Building Code (IBC), CAFCO 400 provides up to 4-hour fire resistance ratings structural steel columns, beams, joists, trusses, floor, and roof deck assemblies in commercial construction.

CAFCO FENDOLITE M-II is the industry's leading high density SFRM designed to provide fire protection for structural steel and concrete where physical abuse or high traffic is anticipated. Due to its Portland cement formulation, thermal performance, and proven superior durability and ease of application, CAFCO FENDOLITE M-II is the most widely specified High Density SFRM with over 40 years of proven performances.

CAFCO® SprayFilm® WB 4 intumescent coating, when combined with CAFCO SprayFilm Topseal®, is the first water-based system investigated by UL for use in exterior applications. CAFCO SprayFilm WB 4 can be top coated which allowed the designers of the International Spy Museum the benefit of matching the design scheme while maintaining the required fire resistance ratings. When spraying was completed and dried they then painted the system to match the design and feel of the International Spy Museum.



800.631.9600 or + 1 973.347.1200

technical@isolatek.com | technical-international@isolatek.com
www.isolatek.com



Brand

ISOLATEK INTERNATIONAL® provides passive fireproofing materials under the CAFCO® and FENDOLITE® trademark throughout the Americas and under the ISOLATEK® trademark throughout the world.

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