

CAFCO® FENDOLITE® M-II/P / ISOLATEK® TYPE M-II/P PASSIVE FIREPROOFING PROTECTION

- The Preferred Choice Worldwide

Isolatek International's CAFCO FENDOLITE M-II/P / ISOLATEK TYPE M-II/P Industrial Applied Fireproofing has emerged as the preferred product for the protection of structural steel in petrochemical and LNG facilities, refineries, and nuclear/power plants. Most recently, this industry leading, ultra-high density cement-based product was specified and selected to cover over 2.5 million square feet of structural steel columns and beams in the Gulf region of the United States.

The CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P Applied Fireproofing system most commonly consists of galvanized structural steel, 3.4 lbs/yd² galvanized metal lath installed in a contour configuration, Corner Bead, and CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P. The product's advanced Portland cement-based formulation provides increased density, enhanced bond strength, and exceptional flexural strength.

CAFCO FENDOLITE M-II/P's / ISOLATEK Type M-II/P's "XR" UL Designs serve as the basis for this Applied Fireproofing system, demonstrating exceptional performance in accordance with UL 1709, "Standard for Rapid Rise Fire Tests of Protection Materials for Structural Steel". In addition, CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P has been subjected to the most rigorous fire and dynamic physical property tests, such as the following;

- ANSI/UL 1709 Rapid Rise Fire Test as above however subjecting CAFCO FENDOLITE M-II/P to Two Full Scale UL 1709 Fire Tests within a 24-hour period (tested, allowed to cool to ambient and re-tested)
- ANSI/UL 1709 Rapid Rise Fire Test (following Liquid Nitrogen Immersion Test)
- Gas Explosion Test (3 Bar Overpressure)
- ISO 22899-1:2007(E) Determination of the Resistance to Jet Fires of Passive Fire Protection Materials
- ISO 22899-1:2007(E) Determination of the Resistance to Jet Fires (following Gas Explosion Test)
- NFPA 290 and NFPA 58, Annex H Procedure for Torch Fire and Hose Stream Testing of Thermal Insulating Systems for LP-Gas Containers
- Factory Mutual (FM) Fire Protective Coating for LP-Gas Steel Storage Vessels and Process Structures (Class 4971)
- ANSI/UL 1709 environmental test conditions Aging, High Humidity, Industrial Atmosphere, Salt Spray, and Combined Wet/Freeze/Dry Cycling in addition to Acid Spray and Solvent Spray



*Advancing Passive
Fireproofing Technology®*



The CAFCO® FENDOLITE® M-II/P / ISOLATEK® Type M-II/P Applied Fireproofing system is most commonly installed off-site and is able to be completed at a rate of 12,000 sq ft per day - far more than is achievable with other fireproofing systems, such as epoxy Intumescent coatings and solid concrete encasement. As little as 8 working days are needed from the time the steel is received to the time the fireproofed steel is ready for transportation. The fireproofed steel is then erected into place on-site at a rate of 3,000 tons per month. Given the harsh demands placed upon the CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P Applied Fireproofing System, i.e. shop applied and loaded on flatbed trailers; transported to site, offloaded at site, and erected into place, impact damage is negligible – estimated to be less than 1%. In total, well over a quarter of a million bags of CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P will be in-place upon completion of these projects in the Gulf region of the United States this year alone.

The CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P Industrial Applied Fireproofing system has proven to be the most efficient, robust, and resilient fire protection system for the fast paced construction demands of the United States' largest industrial facilities. CAFCO FENDOLITE M-II/P / ISOLATEK Type M-II/P is also leading the way in the Middle East, Far East, Canada, Mexico, and Latin America.

Why choose Isolatek International?

Industry Experience

Isolatek International has over 135 years experience in manufacturing thermal and fire protection materials. We understand the needs of our customers and offer product solutions specifically designed to address their most demanding requirements.

Product Development, Performance, and Commitment to Quality

As the global leader in advancing passive fireproofing technology, we are continuously developing new products that provide superior thermal performance, unequalled durability and ease of installation. Our products are rigorously tested and certified by global authorities throughout the world. We go above and beyond the required industry testing to ensure each of our products exhibits superior thermal performance and exceptional physical properties as set forth in our quality assurance program. Hundreds of millions of bags and pails of Isolatek International products have been installed across the globe over the last half century, with each generation of product better than the previous. Our strict standards for product installation are also enforced on a routine basis with our skilled specialty contractors.

Global Support

Our uncompromising commitment to our customers is also evident in our strategically located multiple manufacturing and distribution facilities throughout the world. Customers have quick access to Isolatek International's full range of products where and when they need them with quick turnarounds and reduced logistical expenses. Our extensive network of experienced technical sales and field support staff is readily available to assist in the most complex of projects.



Brand

Isolatek International, Stanhope, NJ USA 07874
Tel: +1 973. 347.1200

www.isolatek.com | sales@isolatek.com

Isolatek International (Europe) Ltd., Nottingham, UK
Tel: +44 (0)20 8798 3444

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

ISOLATEK®
Brand