Advancing Passive Fireproofing Technology™

Serving the Construction, Petrochemical, and Tunnel Industries
Isolatek International is recognised throughout the world as the leader in passive fireproofing technology. With over 60 years of pioneering technical advancements, Isolatek is committed to providing the best life safety materials that will save lives and protect structural assets in the event of a fire.

- **Isolatek’s materials excel in thermal performance, durability, ease of application and environmental consciousness.** Our products are subjected to the most extensive and industry specific fire testing of any manufacturer and are certified by the world’s leading authorities. We are proud to claim our products have performed without failure.

- **Offering superior thermal efficiencies, Isolatek’s products use less material to achieve fire resistance ratings.** Designed for ease of application our materials are applied by experienced applicators in the most efficient manner possible. Productivity is increased and projects are completed on time and within budget.

- **As the world’s leading single source manufacturer, Isolatek has the ability to provide system solutions through our multiple product offerings.** Together with our knowledgeable team of professionals averaging 20+ years of industry experience, Isolatek can assist you with your fireproofing project from conceptual design to completion.

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### Products

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www.isolatek.com
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.

- Isolatek International adheres to an ISO Quality Management system and maintains an extensive research and development program. Strict standards for product installation are enforced on a routine basis with skilled speciality contractors.

- Isolatek goes above and beyond the required industry testing to ensure its products and service meet and exceed our customers’ expectations of value and performance.

- Isolatek supports their customers with an extensive global network of experienced technical sales representatives, skilled recognised applicators, and both field/in-house customer service staff.
Cellulosic Fires

A cellulosic fire is the common description of a fire fueled by everyday items such as timber, carpet, furniture, etc. found in modern day structures. Isolatek products are manufactured and tested to protect the structural steel during cellulosic fire conditions and are found throughout the world in Airports, Arenas/Stadiums, Hospitals, Mid/High Rise Buildings, Shopping Malls, Universities, and Theme Parks/Casinos.

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Hydrocarbon Pool and Jet Fires
A hydrocarbon fire results from situations related to exposure to petrochemicals and will create fires that can reach extremely high temperatures within minutes. Isolatek products are manufactured and tested to protect structural steel and concrete in the event of hydrocarbon fueled pool and jet fires as well as protecting against the effects of blast overpressure, high pressure hose stream, and cryogenic exposure. Isolatek SFRM systems are found throughout the world’s petrochemical facilities providing fire resistance to pipe racks, process structures, storage vessels and supports.
Tunnel Fires are often caused as a result of a road traffic accident or train tanker fire and can be catastrophic. Aside from the potential loss of life, a high temperature tunnel fire can cause its concrete lining to spall and steel or cast iron linings to weaken, leading to partial or full collapse. In addition to rigorous hydrocarbon fire testing, Isolatek fire resistive materials meet the strict requirements of the two most notable and demanding tunnel fire tests; the RWS curve developed in Holland and the French HCinc curve which tests materials up to 1300°C.

Working from a thorough understanding of cellulosic and hydrocarbon fires and their likely effects on a variety of structures, Isolatek International offers solutions to fire protection issues – solutions which are tailored for a particular project by meeting the technical and economic needs of a client while satisfying the requirements of regulations and insurers.
Isolatek International’s wide range of passive fire protection materials provide superior thermal performance, unequaled durability and ease of application.

Spray-Applied Fire Resistive Materials
Spray-applied monolithic fire protective coating systems are formulated from either vermiculite or mineral wool, and bound with portland cement or gypsum. Used where required with complementary components such as adhesives, keycoats, topcoats, sealers or reinforcement, these wet or dry spray-applied fire protection products offer cost effective solutions to most fire resistance issues in addition to thermal and acoustic insulation. Their rapid rate of application, particularly around complex profiles, makes them ideal for fast track projects.

Thin Film Intumescent Coatings
Intumescent paint/coating systems offer architectural freedom for open atrium design and other areas requiring structural steel fire protection with an aesthetically pleasing finish. Designed for both interior and exterior applications, intumescent fireproofing provides high impact and abrasion resistance for long lasting in-place performance.

Thermal/Acoustical Treatments
Spray-applied thermal and acoustical coating systems are speciality products made primarily from mineral wool or vermiculite aggregate and cement. They protect against thermal transfer in specific applications such as on concrete in basement car parks, or to reduce excessive acoustic reverberation within enclosed spaces.
Isolatek materials are rigorously tested for fire resistance in accordance with global standards by international authorities and hold numerous official certifications and approvals.

Testing - Going Beyond Industry Standards

3 Bar Blast Overpressure Gas Explosion Test Followed Immediately by ISO 22899-1:2007 (E) Jet Fire (J-30)

ISO 22899-1:2007E Jet Fire (J-120)

NFPA 290/NFPA 58 Annex H - Torch Fire and Hose Stream Test
Isolatek’s strategically located sales, distribution and manufacturing facilities provide quick responses, turnaround time and reduce logistical expenses while contributing to LEED credits and corresponding points.

Featured Projects:

- Australia, 480 Queen Street
- Canada, Horizon Oil Sands
- Chile, Gran Torre
- Ecuador, Esmeraldas Refinery
- India, Mumbai International Airport T2
- Saudi Arabia, SaBuCo Butanol Plant
- Sudan, Port Sudan New Strategic Depot
- Taiwan, Taiwan Semiconductor Fab 14
- UAE, Brouge 3
- UAE, Abu Dhabi Airport Midfield Terminal
- UAE, AL Hosn Gas Shah Gas Development
- United Kingdom, Humber Refinery
- USA, World Trade Center Transit Hall & Oculus
Recognised as a global single source manufacturer, Isolatek International provides solutions for every fire protection design requirement for steel construction under the CAFCO® brand in the Americas and other markets and the ISOLATEK® brand worldwide.

Isolatek International's materials are found throughout the world protecting Airports, Arenas/Stadiums, Hospitals, Mid/High Rise Buildings, Shopping Malls, Theme Parks/Resorts/Casinos, Universities, and Industrial Complexes such as Petrochemical Facilities, Refineries, Nuclear/Power Plants and Tunnels.

OFFERING COMPREHENSIVE FIREPROOFING SOLUTIONS WORLDWIDE

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

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

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