

IFP

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A Wrap for a World of Passive Fire Protection Applications

Wherever high heat or potential fire is a problem, UNIFRAX FyreWrap® Fire Protection Products offer solutions to a variety of passive fire protection applications when lightweight, thin materials are needed to prevent flame penetration and achieve a significant temperature reduction.

FyreWrap products are used around the world to perform critical passive fire protection functions throughout the commercial building, transportation, and manufacturing industries. At Unifrax, we provide innovative passive fire protection solutions that make everyday life safer. We offer our FyreWrap product line as a premiere passive fire protection brand, providing proven life safety systems that meet international fire standards and local code requirements.

Some common FyreWrap fire protection applications include: fire-rated enclosures for kitchen exhaust and HVAC ductwork and marine bulkhead and deck insulation, through penetration fire-stops, construction joints, fire doors and seals, and electrical circuit protection systems. Applications all of which are tested, listed, and under follow-up service with leading internationally recognized certification bodies.



Select Applications

The fire protection of ventilation and kitchen exhaust ductwork in commercial buildings is an important life and property safety measure. In the event of fire, unprotected ductwork has the potential to quickly spread fire to other rooms or floors. Proper passive fire protection most importantly saves lives, but may also prevent severe and extensive property damage. Over the past 20 years, FyreWrap Elite 1.5 has gained international recognition as a proven means of fire protection for duct applications that include, but are not limited to: kitchen exhaust, smoke control, stairwell and vestibule pressurisation, supply/return ducts, commercial dryer exhaust, as well as refuse and linen chutes.

Thousands of architects, engineers, contractors, and building owners have experienced the advantages, providing design flexibility and space and labour savings over existing materials. FyreWrap duct wrap products are sold in every major international market and have the most extensive certifications across the board to ASTM, ISO, EN, AS, and UL standards.

In the marine industry, vessels and offshore platforms require passive fire protection in critical areas for life safety and equipment protection. Bulkheads and decks are commonly insulated with fire resistant, high temperature insulation that complies with IMO Regulations. Unifrax offers specialised version of a low bio-persistence fibre blanket called FyreWrap Marine Blanket, specifically manufactured to meet these requirements. This material offers superb insulation value in a flexible lightweight non-combustible form. This offers builders and owners reduced structure weight, which may yield increased vessel speed, fuel savings, and available payloads.

Unifrax offers marine systems that:

- Are ABS, USCG, and Lloyds Certified for steel and aluminium structures.
- Comply with SOLAS safety objectives.

- Meet IMO FTP code fire test requirements, Res. A.754(18).
- Comply with Fire Resisting Division for High Speed Craft (HSC); Res. MSC.45 (65.)

Many industrial processes require quick, controlled shut down of critical equipment in an emergency to eliminate or minimise the threat of fire and explosion causing potential loss of life, equipment, and business operations. FyreWrap cable insulation provides an external insulation wrap around cables trays and conduits to provide a fire rated enclosure, permitting continued operation for a specified period of time. FyreWrap cable systems are FM Global approved and comply with many industry specifications on fireproofing for petroleum and petrochemical processing plants.

About Unifrax

Unifrax is a global leader in high-performance specialty products used by many industries in a diverse group of applications. Unifrax employs over 2,500 people worldwide with 27 manufacturing facilities and various regional and sales locations in the United States, Europe, Asia, South Africa and Latin America.

Our purpose, mission and values are based on our commitment to produce high quality specialty products that help our worldwide customers save energy, reduce pollution, and improve fire safety. Our commitment to customer satisfaction continues the tradition of supplying quality products that meet our customers' application, while maintaining the strong spirit of innovation that has always been a hallmark of our business. This focus on providing innovative products and services continues to position us as a leader in our industry. Outstanding customer service and knowledgeable technical support continue to be the cornerstones of our success.

For more information, go to www.unifrax.com

FyreWrap® DPS Insulation just opened the door to improved dryer duct fire protection.



Recent NFPA statistics indicate significant injuries, loss of life and property damage due to clothes dryer fires in residential buildings. At the same time, code requirements for dryer exhaust ductwork in multi-family residences have been difficult to achieve in real-world conditions – until now.

Introducing new FyreWrap® DPS Insulation for dryer ducts and plenums.

FyreWrap® DPS Insulation is an innovative duct wrap that provides a safe and cost-effective means to achieve a 1-hour fire resistance-rated enclosure for routing dryer ductwork through rated wood construction. It utilizes a lightweight, high temperature, low bio persistence fiber blanket specifically designed, UL tested and classified for this

critical application. It also provides code compliant fire protection for combustible items such as plastic pipes in the plenum area. FyreWrap DPS Insulation features a ½", single layer design that is flexible and easy to cut, fabricate and wrap to fit tight spaces, providing time- and cost-savings on many projects.



More information on FyreWrap DPS and our complete line of FyreWrap products is available at www.arcat.com and www.unifrax.com or by calling 716-768-6500.

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