



alvex•PF

Passive Fire Protection System

Bringing Fire Safety at Sea to the Next Level

**Fire Protection for
Sprinkler Systems
and Other Metallic
Pipes and Conduit**



**Complies with the Latest SOLAS
Regulation: "Safe Return to Port"**

Passive Fire Protection System

Bringing Fire Safety at Sea to the Next Level

Increasing numbers of vacationers are booking passage on cruise vessels. They feel secure from fire at sea as they are aware of the multitude of sprinkler heads protruding from the bulkheads, ready to quickly extinguish any spark or flame. In actual fact, there are up to 90 kms of unprotected pipe connecting these sprinkler heads that can fail due to heat from fire. The International Maritime Organization (IMO) has now issued the "Casualty Threshold, Safe Return to Port" initiative which is mandatory for passenger ships constructed on or after July 1, 2010.

Amendment Applies to:

**All Passenger Ships of 120 Meters or More, or
Having Three or More Vertical Zones**

ALVEX-PF meets A-60 fire test as per IMO FTP Code Fire Test Requirements; Res.A.754(18), which enables the key fire protection system to maintain operations for one hour minimum so that the vessel can reach port in the event of a fire.

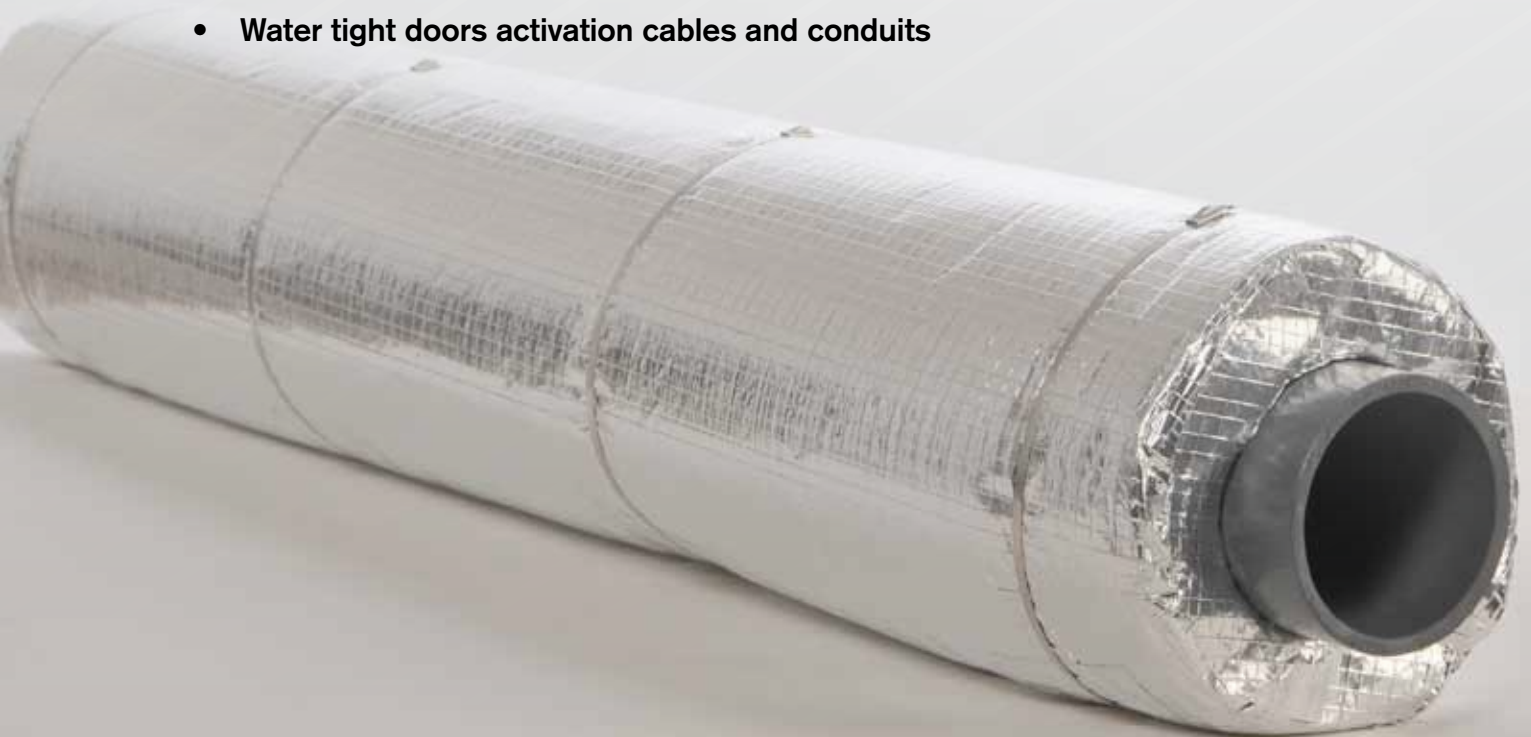


ALVEX-PF offers a Totally Flexible Solution

In order to bring fire safety at sea to the next level, McAllister Mills has developed **ALVEX-PF Passive Fire Protection Systems** which are designed to protect Fire Spray System Piping and Tubing per the latest SOLAS regulation II-2/21 and II-2/22. **ALVEX-PF** is totally inorganic, flexible, high-temperature insulation specifically designed to provide passive fire protection for marine applications. **ALVEX-PF** chemistry is designed to enhance biosolubility as well as provide superior fire resistance. **ALVEX-PF** provides high tensile strength, flexibility and superior thermal and acoustical properties. **ALVEX-PF** is chemically stable and its thermal properties are unaffected after exposure to water immersion or high humidity. **ALVEX-PF** is lightweight and easy to install.

In addition, **ALVEX-PF** can also be used on other crucial piping systems like:

- Water mist pipes
- Propulsion system steel pipes
- Navigational systems metal pipes and cables
- Internal and external communications pipes and cables
- Fixed firefighting system pipes
- Bilge and ballast pipes
- Water tight doors activation cables and conduits



McAllister Mills Leverages 30 Years of Expertise Driving Innovation

Unlike most manufacturers of Passive Fire Protection systems, McAllister Mills is a vertically integrated manufacturer converting high temperature fibers into our own innovative products which enables us to rapidly design, fabricate and deliver the most advanced and economical passive fire systems for marine applications. Our technical experts are always available to support your design and field personnel through all phases of the project.





**Alvex-PF is approved for use
on other vessels such as:**

- **Oil rigs**
- **Naval ships**
- **Cargo ships**
- **Passenger ferries**





ALVEX-PF
Easy Installation =
Lower Labor Costs

ALVEX-PF is a Passive Fire Protection system specifically designed to guard the safety of life and property at sea.



Step#1

Lay material on Pipe with Tape as shown.



Step#3

Remove inner layer of exposed Tape
and press Tape to secure



Step#2

Wrap material around Pipe.



Step#4

Wrap Ties around Tape and pull end tight and secure

Standard Product Dimensions and Packaging

Product Code	Pipe Size
P30-38-200-6	30mm OD
P38-38-225-6	38mm OD
P60-38-300-6	60mm OD
P12-38-100-6	12mm OD
P30-38-200-6	30mm OD
P38-38-225-6	38mm OD
P60-38-300-6	60mm OD
P80-38-425-6	80mm OD
P100-38-525-6	100mm OD
P125-38-600-6	120mm OD
P150-38-650-6	150mm OD
P200-38-1050-6	200mm OD

** Other sizes available—Please inquire with your special requirements



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