



PYROSHIELD

The last frontier of safety shields

Pyroshield is part of the «*Fabric shields*» family

WHAT IS PYROSHIELD ?

“Pyroshield” is a shield made of a fabric which, besides its classic task of protection and safety, has been designed to guarantee the non-ignition of Jet Fire in dangerous fields.

PLUS: it reduces the possibility that a loss of liquid under pressure (caused by defective flanged couplings and coming out from devices as flanges, valves or shutters) triggers the event called “jet fire”.

This product is realized with a special intumescent fabric which, added to the use of high-performance insulation, provides the thermal insulation and the protection of gasket between the flanges.



Where:

- Ships
- Petrochemical plants
- Refineries
- Offshore Platforms



CERTIFICATES



The PFP specifications generally speak of “equipment protected against a particular type of fire for a specific period of time identified in x minutes”. For us, it means to protect a particular device, thanks to a flexible passive protection system, in order to keep its temperature below the critical operating threshold, in a given period of time.

We can offer a wide range of solutions designed and tested on the basis of technical specifications, known in the field of passive protection against fire and certified by the most authoritative certification institutions.



New Composit was in 2006 the first Italian company to certify its flexible jackets against fire. After the success obtained thanks to this first test, we decided to invest more time, skills, human resources and money to improve and enhance our product; this continuous process allowed us to become one of the leading companies all over the world in the flexible PFP field.

We believe in a safer work place and this is why we put our best efforts in developing products suitable for any necessity required by market :

- Pool Fire
- Jet Fire
- Blast

HYDROCARBON JET FIRE

PFP system installed on DN 150 PN 16 flanges.

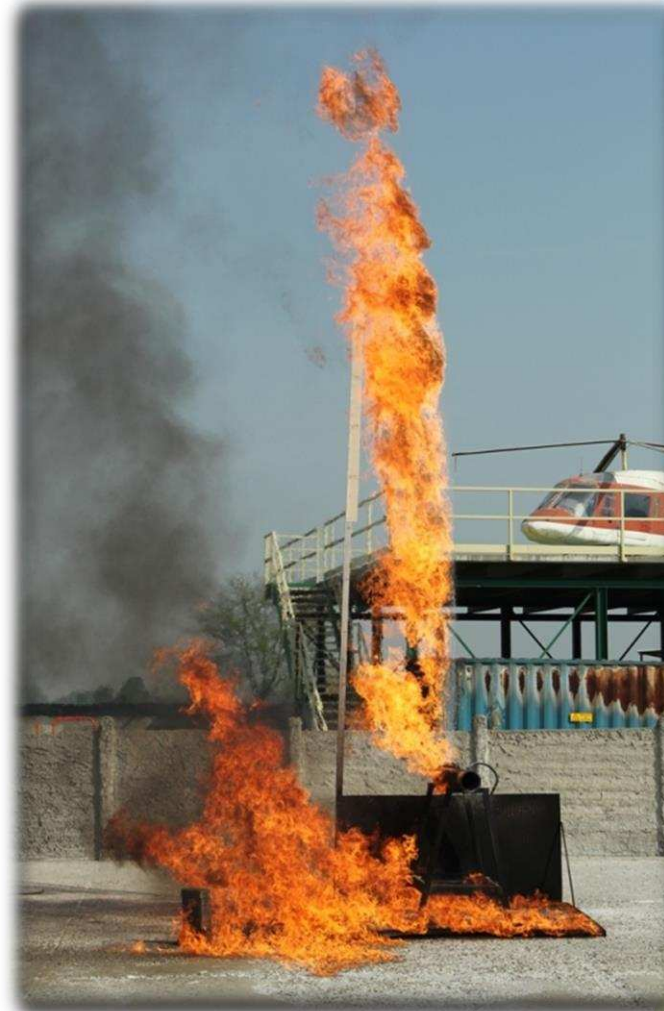
Pyroshield was subjected to a jet of flammable liquid (kerosene), with a flow rate of 30 l/min and a pressure of 1,5 bar, for a period of 180 seconds; the progress of the test was monitored and traced by an accredited laboratory. At the end of the test, the temperature measured on the protected body did not exceed 37°C.

With RINA certificate and tested in one of the strictest laboratories, Pyroshield wants to be a new reference for safety on site, in particular in the naval and Oil&Gas fields.

Pyroshield is a system of protection and safety in accordance with the European Regulations in force, which concern the safety in work places (D.lgs. no.81 April 9th, 2008).

Certified by:

➤ *RINA*



CHARACTERISTICS

Pyroshield is a FLEXIBLE product, composed by several layers of different materials and insulating blankets. It is very resistant and performing.

The main characteristics of this product are:

- Intuitive and easy to install (or remove if necessary)
- Resistant to bad weather, UV rays and saline environment
- It works as thermal insulation
- It can be equipped with a heating system for cold environment
- The maintenance is easy without stop the plant



DESIGN

New Composit has over 30 years of experience in the world of technical fabrics and any other material related to protection against heat and fire. We have been studying PFP systems since 2005, thanks to a qualified team of engineers always looking for the best solution to meet customer needs. Research and product development are one of the key points of our success in this field.

Pyroshields jackets are custom-made according to customer requirements; our technicians design all the protections by means of the best 3D and 2D drawing programs.

We constantly keep up-to-date by attending refresher courses in order to support our customers.

In the end CompoLab is our simulation program, useful for studying alternatives, which will be tested and certified by the authorities in charge.

