

# FIREWALL MIED

*Certified fire-retardant coatings for the marine industry*







# CERTIFIED SOLUTIONS

## Marine Equipment Directive 2014/90/EU

Safety is the most important issue in the marine industry. The quality of materials used in the construction and maintenance of marine vessels is not only a matter of efficiency and aesthetics, but also of regulatory compliance. Therefore, choosing Firewall coatings that are MED (Marine Equipment Directive) certified according to Marine Directive 2014/90/EU means providing the highest quality standards in accordance with the complex international regulatory framework.







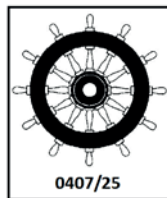






# WHAT'S MED

The Marine Equipment Directive (MED) is a European Union directive that establishes safety requirements for marine equipment installed on board of a member state's vessels. The current version is Directive 2014/90/EU, which replaced its predecessor 96/98/EC, with the aim of making national safety regulations uniform, reducing risks and facilitating the free movement of certified equipment within the EU.



## Scope of application

The standard applies to passenger and cargo vessels, i.e., those used for commercial purposes. Warships, recreational and fishing vessels are to be excluded. The equipment covered by the MED Directive is subject to regulations that concern not only the European Union, but the more complex international order. For example, Firewall MED coatings can also be used in the United States, with which there is mutual recognition of the issued certifications.

## Equipment

MED regulations apply to a wide range of naval equipment.

**Life-saving equipment:** devices such as life rafts, life jackets and evacuation systems.

**Marine pollution prevention:** equipment such as oil-water separators and wastewater treatment systems.

**Fire protection:** materials and devices such as portable fire extinguishers, fire detection and alarm systems, non-combustible materials and coatings with limited flame spread.

**Navigation equipment:** instruments such as radar, magnetic compasses, and automatic identification systems (AIS).

**Radio communications:** equipment such as VHF, EPIRB and satellite communication systems.

**Fire protection materials and products:** class "A" and "B" divisions, fire doors, floor covering materials and curtains with limited flammability.

# MED CERTIFIED FIREWALL COATINGS

Firewall fire-retardant coatings for MED certified marine applications are tested solutions and comply with the most rigorous maritime safety requirements inside vessels.

**Reaction to fire:** certified coatings reduce the spread of flames and the release of toxic fumes in case of fire.

Of course, thanks to MED certification, Firewall coatings are suitable to be used in shipyards and on vessels subject to international regulations.

Naval certification certifies that Firewall fire-retardant coatings adhere to the FTP Code, which concerns fire protection. The FTP Code regulates the testing and acceptance criteria for materials and components constituting the vessel's structure and part of the furniture (bulkheads, decks, fire doors and windows, upholstered furniture and bedding components, upholstery materials and curtains). The FTP Code is a resolution of the International Maritime Organization (IMO), the United Nations agency responsible for the safety of navigation and the prevention of marine pollution from vessels. Tests for coatings refer to the FTP Code A.1/3.18 standard, whereby performance is required for limited flame spread and limited production of fumes and toxic products (Module B). Once compliance is achieved, it is necessary to verify that the production process is capable of ensuring replicability and, consequently, to obtain system certification (Module D). Among the most authoritative Italian institutes in naval certification we mention Istituto Giordano of Bellaria-Igea Marina (Rimini). Firewall has availed itself of the collaboration of the latter.





# ONE RANGE FOR ALL NEEDS

The MED-certified Firewall range meets every need of the applicator, designer and owner. The coating systems are suitable for all types of surfaces: plastic, wood, metal...

## Water-based system . 150 g/sqm

Ideal for natural design. System with low product quantity, excellent hiding power and extreme transparency in the ATB version. Excellent adhesion to most surfaces of the inside of vessels. Application by roller, brush and spray even in "inhabited" spaces.

**Transparent**  
RAF-ATB NAV

**Pigmented**  
RAF-A MULTICOLOR NAV

## Acrylic system . 240 g/sqm

Very resistant and transparent solution, suitable also for application over floorings.

**Transparent**  
RAF-AC NAV

## Polyurethane system . 270 g/sqm

System with high hiding power and resistance.

**Transparent**  
RAF-T NAV

**Pigmented**  
RAF-P MULTICOLOR NAV

## Polyester system . 480 g/sqm

System with good brightness and durability over time. Brushable.

**Transparent**  
RAF-PET

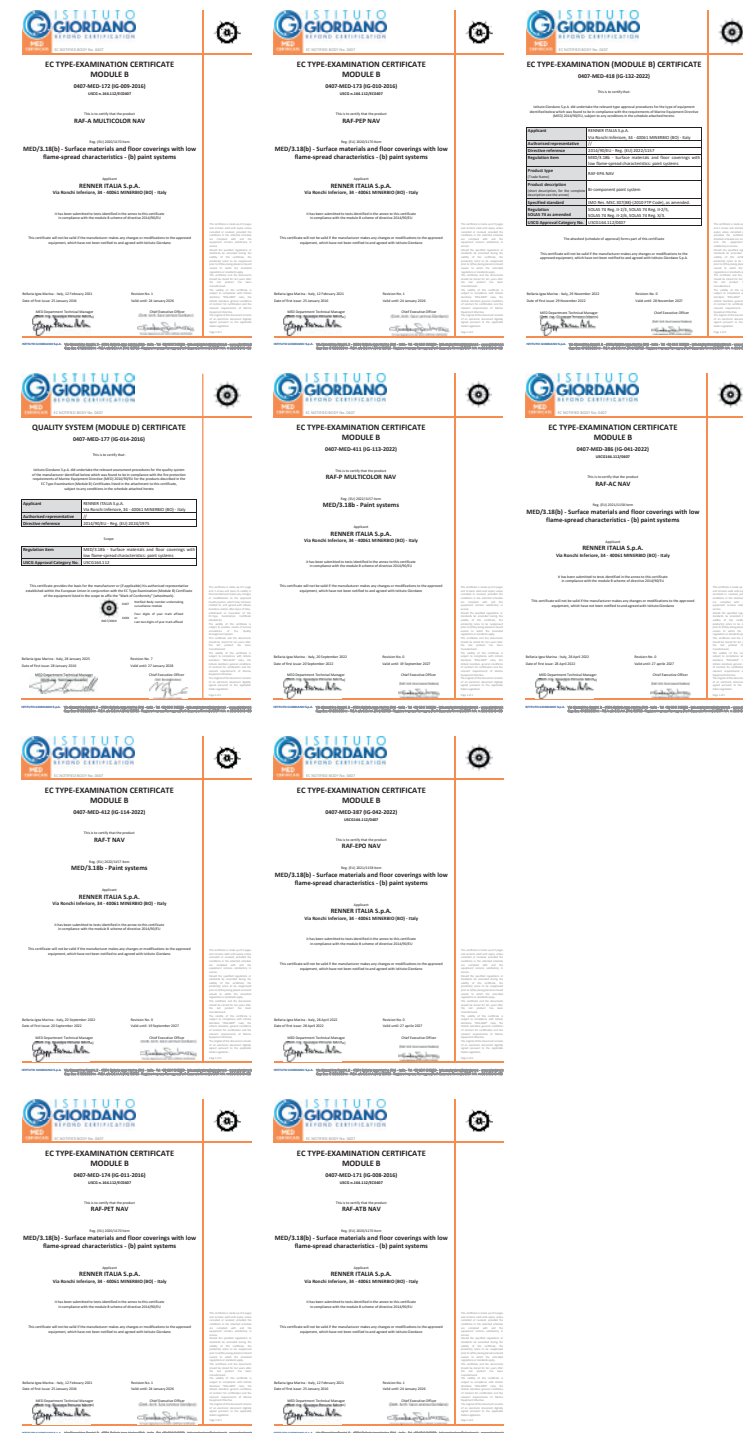
**Pigmented**  
RAF-PEP

## Epoxy system . 160 g/sqm

Key word: flexibility. Suitable for any type of substrate, resistant and can be overcoated with any product.

**Water-based**  
RAF-EPA

**Solvent-based**  
RAF-EPO





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