

Fire Protection Solutions for Offshore Wind Farms

FireMaster® Marine Plus

- High temperature (1200°C)
- Lightweight, Flexible system
- DNV, Lloyds, class approved

For more than 30 years, our FireMaster passive fire protection systems have been a trusted solution to protect structures and people in Marine, Offshore fixed, semi-submersible platforms and FPSOs.

FireMaster is now available to protect wind farm substations and platforms and provide excellent fire-resistant insulation for offshore and onshore windfarm and substations - OSS, RSS, and HVDC Platforms.

FireMaster is tested following IMO FTP Codes. Protection against internal and external fire risks of cellulosic, hydrocarbon and blast fire up to 1.2 bar.

Offshore Windfarm Applications

- Bulkhead and Deck—A0, A15, A60, H60, H120, Blast walls fire protection
- Under Deck solutions
- B15 Wall Extension
- Structural steel
- Ductwork



Features

- Low biopersistent fibre, non-carcinogenic classification under EU regulations
- Formaldehyde free needled fibre
- Densities 48-128kg/m³ with thicknesses from 12-60mm
- Ultra lightweight, flexible insulation
- Combined fire protection with good thermal and acoustic insulation
- Design offering protection against foam fire extinguishers available
- Available in water repellent grade; long term water absorption, <0.1

* versus conventional insulation

FIREMASTER™

Fire Divisions

Tested for both flat steel and corrugated steel for A-Class (single and double layer) and H-Class (two and three layers)

A60 corrugated system also available with 1.5 Stainless steel or 2mm Mild steel plate solutions for better design flexibility and lower weight structural steel requirement

A60 system

Ref.	Product	Thickness (mm)	Weight (kg/m ²)
a	FireMaster Marine Plus blanket 48kg/m ³	40	1.92
b	Stiffener - FireMaster Marine Plus blanket 48kg/m ³	40	1.92

Detail of stiffener and double layer wrap system

Detail of uniform bulkhead anchor pattern (from illustration right)
Anchors are spaced at 350mm centres
Joints between blankets can be positioned at any convenient location
Average anchors per m² = 8.1
NB: All illustrations shown with un-angled joints

H60 system

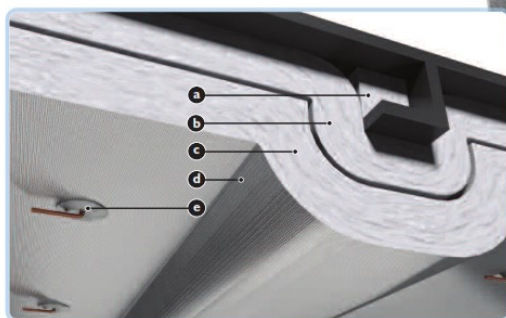
Ref.	Product	Thickness (mm)	Weight (kg/m ²)
a	FireMaster Marine Plus blanket 70kg/m ³	40	2.8
b	FireMaster Marine Plus blanket 70kg/m ³	40	2.8
c	FireMaster Marine Plus blanket 70kg/m ³	50	3.5

Detail of bulkhead anchor pattern (from illustration right)
NB: All illustrations shown with un-angled joints

Blast Resistance

FireMaster Marine Plus blanket 70kg/m³

Ref.	Product
a	Stiffener packed with FireMaster Marine Plus blanket 70kg/m ³
b	FireMaster Marine Plus blanket 70kg/m ³
c	FireMaster Marine Plus blanket 70kg/m ³
d	Stainless wire mesh
e	Copper coated mild steel CD welded anchors, end of anchor bent over after installation.



For all enquiries, please contact our specialist sales and marketing offices:

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