

AEROFLEX® | hf

# HALOGEN FREE INSULATION FOR MARINE APPLICATIONS



nmc



# FOR DEMANDING MARINE APPLICATIONS

Maintenance work at sea often requires significant time and resources and may result in operational interruptions. AEROFLEX® hf has been developed for demanding marine applications. Its material properties can help limit maintenance requirements during use.

The halogen-free EPDM insulation is resistant to UV radiation, ozone and moisture. These properties help maintain insulation performance in demanding operating conditions. Its flexibility also makes AEROFLEX® hf suitable for installation on complex piping systems and technical equipment.

The combination of flexibility and resistance to demanding environmental conditions makes AEROFLEX® hf a suitable insulation solution for marine applications.

## **CHOOSE AEROFLEX® HF**

Developed for demanding marine environments and designed to help limit maintenance requirements during use.

Our experts are available to support you in selecting the right insulation solution for your project.



## WHY AEROFLEX® hf

### **Halogen-free material:**

AEROFLEX® hf is halogen-free. Its formulation is designed to help reduce the presence of halogen-containing combustion gases in the event of fire.

### **Heat-resistance:**

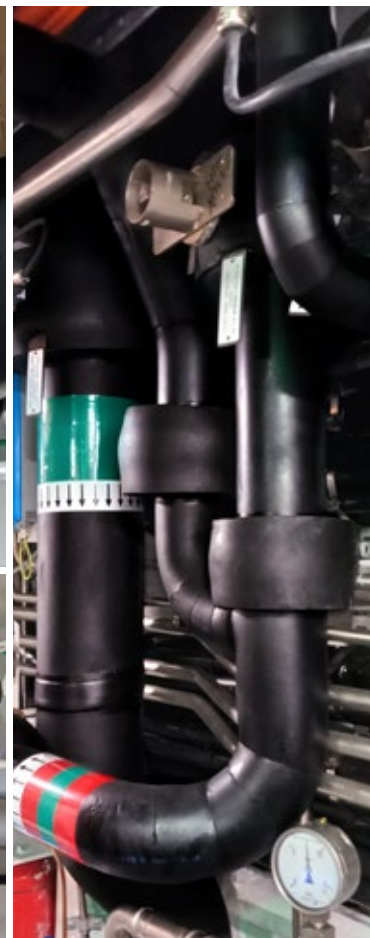
AEROFLEX® hf is designed for applications with operating temperatures up to +125 °C.

### **Resistance to demanding conditions:**

AEROFLEX® hf is resistant to UV radiation, ozone and moisture and is designed for use in demanding marine environments.

### **Flow noise reduction:**

Depending on the application and system configuration, AEROFLEX® hf can help reduce the transmission of flow noise in insulated piping systems and contribute to improved acoustic comfort on board.





# COMPLIANCE AND APPROVALS

AEROFLEX® hf complies with the relevant requirements for its intended applications and holds the corresponding marine approvals. Production is subject to defined quality control procedures. Certain product characteristics are assessed through appropriate testing and evaluation by independent organisations.

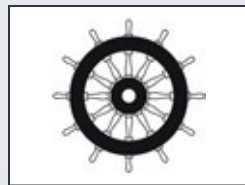
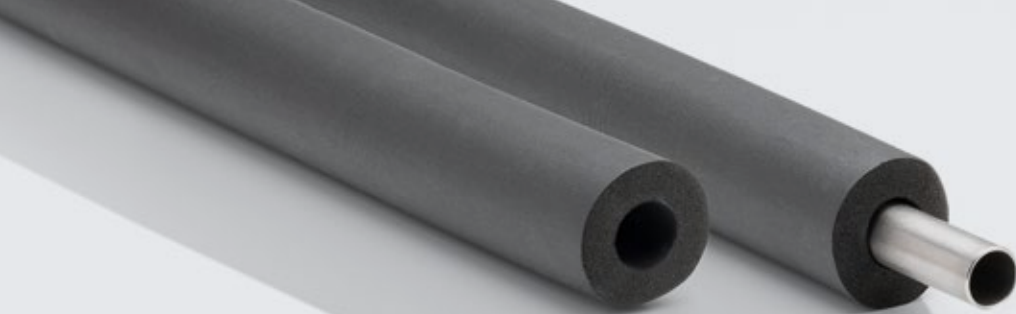
AEROFLEX® hf is an insulation solution designed for marine applications and can contribute to the reliable operation of onboard systems.



©Filippo Vinardi

## SHIPS ALREADY TRUSTING US

- Seabourn Venture by Seabourn Cruise Line (T.Mariotti shipyard)
- Seabourn Pursuit by Seabourn Cruise Line (T.Mariotti shipyard)
- Benetti Yachts
- PPA – Multipurpose Offshore Patrol Vessel (all seven units). Fincantieri Spa per Marina Militare Italiana.



# TECHNICAL DATA

|                        |                                                                                                                                                             |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MATERIAL               | AEROFLEX® hf is a highly flexible, halogen free, closed-cell insulation based on high temperatureresistant EPDM.                                            |
| LENGTH                 | 2 m                                                                                                                                                         |
| CERTIFICATES/APPROVALS | MED Certification: Module B and D; IMO Res. MSC.307(88) (2010 FTP Code); IMO MSC/Circ.1120; TYPE APPROVAL: Bureau Veritas; RINA; AFAP-3-konform: LNE France |

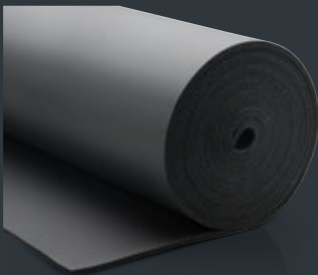
| PROPERTIES                           | NORM            | VALUE                                                              |
|--------------------------------------|-----------------|--------------------------------------------------------------------|
| THERMAL CONDUCTIVITY                 | EN ISO 8497     | 0,036 W/mK at 0 °C<br>0,037 W/mK at 10 °C<br>0,040 W/mK at 40 °C   |
| TEMPERATURE RANGE                    | EN 14707        | -50 °C to 125 °C (continuous operation)<br>Peak usage up to 175 °C |
| FIRE PERFORMANCE                     | EN 13501-1      | D <sub>1</sub> S <sub>2</sub> d <sub>0</sub>                       |
| UV RESISTANCE                        | ISO 4892-3      | very good                                                          |
| OZONE RESISTANCE                     | ISO 1431-2:2012 | very good                                                          |
| WATER VAPOUR<br>DIFFUSION RESISTANCE | EN 13469        | ≥ 3.000 μ                                                          |

## AEROCOVER alu hf

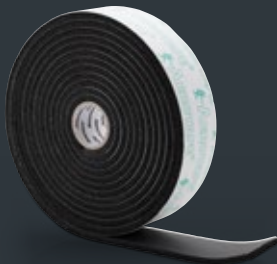
AEROCOVER alu hf is a halogen-free EPDM insulation solution with an aluminium-faced outer layer. The aluminium surface provides additional protection against external influences.



## ALSO IN THE AEROFLEX® hf RANGE



AEROFLEX® hf roll



AEROTAPE® hf



AEROSEAL®

**NMC sa**

Gert - Noël - Strasse · B - 4731 Eynatten

☎ +32 87 85 85 00 · 📠 +32 87 85 85 11

info@nmc.eu



[www.nmc-insulation.com](http://www.nmc-insulation.com)