

# K-FLEX® ECO ALU NET

**New!**



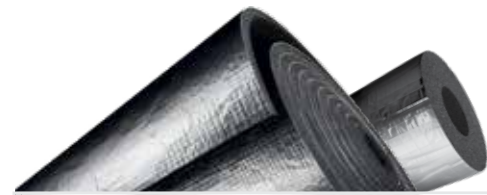
## K-FLEX® ECO ALU NET

- ▶ Closed cell elastomeric foam, specifically designed for marine applications: CE-MARINE (Bureau Veritas).
- ▶ Formulated and manufactured without the use of halogens.
- ▶ High resistance to water vapor diffusion.
- ▶ Temperature range from - 40 °C to + 120 °C

Site



## TECHNICAL DATA



K-FLEX® ECO ALU NET ▶ TECHNICAL DATA		
Property	Value	Test method
Temperature range	from -40 °C* to +120 °C	EN 14706
Thermal conductivity $\lambda$ W/(m•K)	-20 °C = 0,036 0 °C = 0,038 +20 °C = 0,040 +40 °C = 0,042	EN 12667 EN ISO 8497
Corrosion prevention	pH neutral (7)	EN 13468
Water permeability	WS < 0.1%	EN 13472
Permeability $\mu$	$\geq 30.000$	EN 12086
Ecological data	Without halogens, PVC, CFCs, HCFCs and Formaldehyde	
Marine approvals	CE-MARINE (Bureau Veritas) IMO Resolution - Lloyd's Register	
Fire requirements for shipbuilding	MSC 307(88)	

\* For applications below -40 °C please contact our Technical Department  
K-FLEX® reserves the right to change data and technical requirements without notice.

## GENERAL INFORMATION

Closed cell elastomeric insulation product free of halogens, PVC, CFC, HCFC and formaldehyde (K-FLEX® ECO) covered with a protective aluminum film reinforced with a fiberglass mesh specially designed for marine applications.

K-FLEX® ECO ALU NET, formulated and produced without halogens, is the concrete answer for limiting energy consumption while respecting the environment. The composition of K-FLEX® ECO ALU NET makes the fumes that could develop in the event of a fire, not very opaque and not very aggressive.

The K-FLEX® ALU NET film with aluminum structure reinforced with a fiberglass mesh, gives the K-FLEX® ECO insulating product an additional and very high barrier to the penetration of water vapor, allowing the system, if correctly installed, to maintain performance for a long time.

At the same time, it gives good mechanical protection to surface damage, to the action of marine and atmospheric agents, allowing an easy installation and maintenance.

## K-FLEX® ECO ALU NET ▶ RANGE

	Length	Thicknesses	Diameters
K-FLEX® ECO ALU NET - Tubes	1 m	13-19-25-32 mm	from 12 to 114 mm
	Thicknesses	Height	
K-FLEX® ECO ALU NET - Sheets	3-6-9-13-19-25 mm	1000 mm	
K-FLEX® ECO ALU NET - Adhesive sheets	3-6-9-13-19-25 mm	1000 mm	

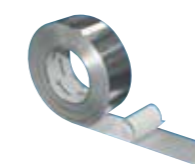
## ACCESSORIES



K-FLEX® ECO ALU NET pipe support



K-FLEX® ECO ALU NET insulation tape



K-FLEX® ALU NET tape



K-FLEX® Adhesivi



Marine sealant

## K-FLEX® ECO ALU PIPE SUPPORT



Research has shown that non-insulated pipe supports are still a common thermal bridge on insulated pipe systems. Their effect is often underestimated. The K-FLEX® ECO ALU supports represent an easy solution to this problem in all insulated lines with the K-FLEX® ECO ALU NET system, proving to be a valuable aid in all naval installations.

The support for pipes K-FLEX® ECO ALU, specially designed for naval applications, has been designed to prevent possible thermal bridges in the connection points of the pipes, ensuring perfect insulation of the line even in correspondence with the fixings, thus helping to avoid onset of condensation or thermal dissipation phenomena.

The specific stratigraphy, together with the materials used, make it the ideal support to be used with the product K-FLEX® ECO ALU NET, of which it guarantees the same insulation performance, also having the same certification for naval use, thus being able to obtain a seamless insulation system even in the fixing points.