

# K-FLEX ECO™

**Pipe and Sheet Insulation**  
**Flexible Closed-Cell Insulation**  
**Halogen Free**  
**For Marine Applications**

**UL 94**  
 (Recognition No. E300774)

UV resistant Refer to K-Flex USA L.L.C. Technical Bulletin (Outdoor Applications) for More Information



Made in USA



Contains a Protective Antimicrobial Agent



## FEATURES AND BENEFITS

- Halogen free, closed-cell, elastomeric insulation.
- Available in green tubes and sheets.
- Developed for applications where corrosive smoke and environmental issues (toxicity) are critical.
- Suitable for piping, vessels, and duct work on US Naval Ships, the general maritime industry, and other industrial applications.
- Also suitable to be used on cruise ships and other commercial vessels.

- Certified to Electric Boat Corporation Specification EB 4013 and meets the requirements specified by the IMO specifications per the SOLAS Agreement.
- Can be used to insulate hot piping up to 300°F (1" thickness minimum).
- The closed-cell structure and unique formulation of K-Flex ECO™ effectively retards the flow of moisture vapor, and is considered a diffusion resistant insulation.



## SPECIFICATION COMPLIANCE

- ASTM C 534 Type 1 tubing, Grade 3
- ASTM C 534 Type 2 sheet, Grade 3
- US Navy EB4013
- IMO SOLAS agreement
- ABS & Lloyd's Certified

Physical Properties		K-Flex® Eco	Test Methods
Thermal Conductivity (k)	90°F (32°C) Mean Temp	0.282 (0.041)	ASTM C 177
BTU/hr/sq ft/°F/in (w/mk)	75°F (24°C) Mean Temp	0.270 (0.039)	ASTM C 177
	50°F (10°C) Mean Temp	0.263 (0.038)	ASTM C 177
Operating Temperature Range	Upper (1" thickness minimum)	300°F*	
	Lower	-40°F	
Density		4.5 lbs/cu.Ft.	ASTM D 1056
Optical Smoke Density		<150	ASTM E 662
Water Vapor Permeability		Excellent (0.03 perm/in)	ASTM E 96
Toxicity		Halogen/Dioxin/CFC Free	EB 4013
Flexibility		Excellent	EB 4013
Meets IMO (International Maritime Organization) SOLAS Agreement		Yes	MCS 61 (67) A 653
ABS (American Bureau of Shipping) and Lloyd's Certified		Yes	SOLAS Agreement (IMO)
Flame and Smoke		Meets U.S. Navy Standard for Shipboard	EB 4013
*Operating Temperature		Approved by U.S. Navy (BBN) for up to 50 lbs. steam use	