

K-FLEX CLAD® WT - ECO

Closed cell elastomeric insulation
Adhered to White PVC/Mylar® Film



DESCRIPTION

K-FLEX Clad® WT - ECO, available in both tubular and sheet form, is a composite product comprised of halogen-free closed cell elastomeric insulation adhered to a white PVC/Mylar® film.

K-FLEX Clad® WT - ECO is non-porous, fiber-free, CFC- and HCFC-free. K-FLEX Clad® WT is GreenGuard® certified as a low VOC material, meeting the criteria for the "Children and Schools" and "Indoor Air Quality" classifications. It complies with Health, Safety and Environmental requirements. K-FLEX Clad® WT tubing is also certified by NSF International for NSF/ANSI Standard 169, "Special Purpose Food Equipment and Devices".

Tubular product is available in all standard ID's in 1/2", 1" and 1-1/2" wall thicknesses in nominal 3 foot lengths. Sheet product is available in 36" x 48" dimensions or 48" wide rolls up to 2" thick. Sheets and rolls up to 1-1/2" thickness

are available with an aggressive pressure sensitive adhesive (PSA) with fiber glass scrim reinforcement and a moisture/tear resistant polyolefin easy release liner.

The PVC/Mylar® film composite cladding provides a secondary moisture vapor barrier to the inherently moisture-resistant closed cell foam core and meets 25/50 requirements for flame spread and smoke development when tested according to ASTM E84 standards.

APPLICATIONS

K-FLEX Clad® WT - ECO is an ideal choice for outdoor (roof top) and indoor applications, including supermarkets, food processing plants, pharmaceutical facilities, film processing centers, electronics facilities and other clean room applications subject to code compliance. K-FLEX Clad® WT - ECO is well-suited for stainless steel applications since it does not contain any halogens that can contribute to corrosion.

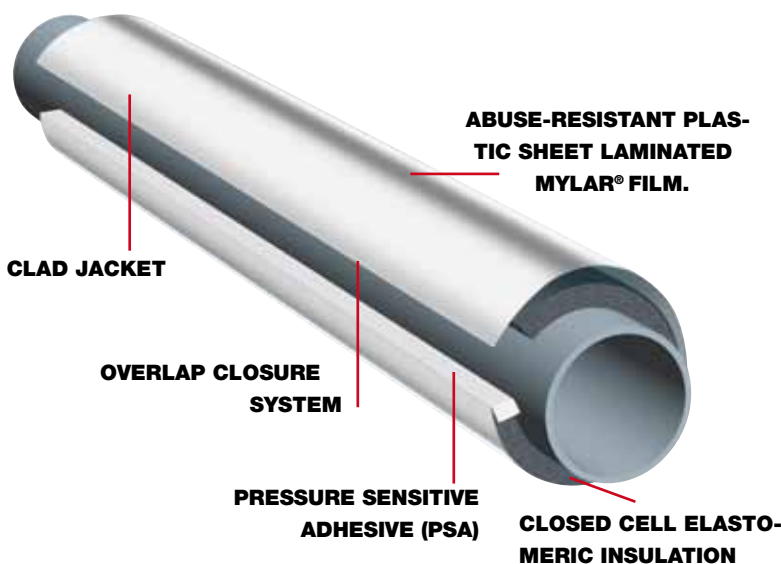
K-Fit® ECO factory-fabricated fittings and K-FLEX Clad® WT Covers complete the installation.

The cladding provides weather and abuse resistance, as well as protection from UV rays. The smooth white surface is easy to clean, dust-free, resistant to acids, alkali, salts, oil, fats, aliphatic hydrocarbons, and is highly impermeable to gases and moisture. The cladding does not dent like traditional metal jackets, has excellent appearance and is easy to maintain. The K-FLEX Clad® WT system allows for quick and easy replacement if necessary.

This composite product has a low thermal conductivity, a high water vapor diffusion resistance factor and greatly reduces the problem of under insulation corrosion. K-FLEX Clad® WT - ECO has a temperature range of -297°F to +300°F.

INSTALLATION

A unique overlap closure system, which eliminates through seams on longitudinal seams, ensures against moisture penetration. Light and easy to handle, the K-FLEX Clad® WT system provides installed cost and time savings over traditional metal jacket, PVC or mastic systems, along with improved performance and less maintenance requirements. Preformed elbows and matching tape allow for a professional and durable installation.



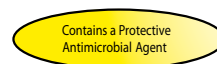
FOR SPECIFIC INSTALLATION INSTRUCTIONS SEE
K-FLEX CLAD® INSTALLATION GUIDE

SPECIFICATION COMPLIANCE

- ASTM C534 Type 1 (Tubing), Grade 3
- ASTM C534 Type 2 (Sheet), Grade 3 US Navy EB4013
- IMO SOLAS agreement
- ABS & Lloyd's Certified
- ASTM E 84 25/50-rated flame/smoke rated up to 3/8" wall thickness
- NSF/ANSI Standard 169



Made in USA



K-FLEX CLAD® WT - ECO PRODUCT DATA

Insulation system with factory-applied finish and full range of accessories.



PHYSICAL PROPERTIES OF ALUMINUM LAMINATE MATERIAL

ATTRIBUTES	K-FLEX CLAD® AL	TEST METHODS
THICKNESS	0.012"	
REACTION TO FIRE	25/50	ASTM E 84
WATER VAPOR PERMEABILITY	0.003 PERM-IN	ASTM E 96
WEATHER, UV RESISTANCE	EXCELLENT	ASTM G 53
CORROSION RISK	THE SYSTEM PROVIDES PROTECTION FOR CORROSION UNDER INSULATION	
SALT SPRAY RESISTANCE	EXCELLENT	BS 903 F12
WEAR RESISTANCE	EXCELLENT	BS 903 A2
OZONE RESISTANCE	EXCELLENT	BS 903 A43, ASTM D1171
CHEMICAL RESISTANCE	EXCELLENT	ACIDS, ALCOHOLS, ALKALIES, OILS
EMISSIVITY	0.80	ASTM C 1371
COLOR	WHITE	

PHYSICAL PROPERTIES OF ELASTOMERIC CORE MATERIAL (ECO™)

THERMAL CONDUCTIVITY (K) BTU/HR/FT ² /°F/IN (W/MK)	90°F MEAN: .282 (.041) 75°F MEAN: .270 (.039) 50°F MEAN: .263 (.038)	ASTM C 177
OPERATING TEMPERATURE RANGE UPPER (1" THICKNESS MINIMUM) LOWER	300°F -297°F	
DENSITY	4.5 LBS/FT ³	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 SOLAS AGREEMENT	YES	MSC 61 (67), A 653
ABS AND LLOYD'S CERTIFIED	YES	SOLAS AGREEMENT (IMO)
FLAME & SMOKE	US NAVY STANDARD FOR 50 LB STEAM USE 25/50-RATED UP TO 3/8"	EB 4013 ASTM E 84

PHYSICAL PROPERTIES OF COMPOSITE SYSTEM

WATER VAPOR PERMEABILITY	0.003 PERM-IN	ASTM E 96
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