

PRODUCT DESCRIPTION

K-Flex Clad® WT

Elastomeric Insulation Clad with White PVC Laminated to Mylar® Film

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

It is an ideal choice for outdoor applications including roof tops, as well as indoor applications such as supermarkets, food processing plants, pharmaceutical labs, film processing centers, electronics facilities and other clean room applications subject to code compliance. K-Fit™ Fittings and Clad® WT Fitting covers complete the installation.

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 E-84 standards.

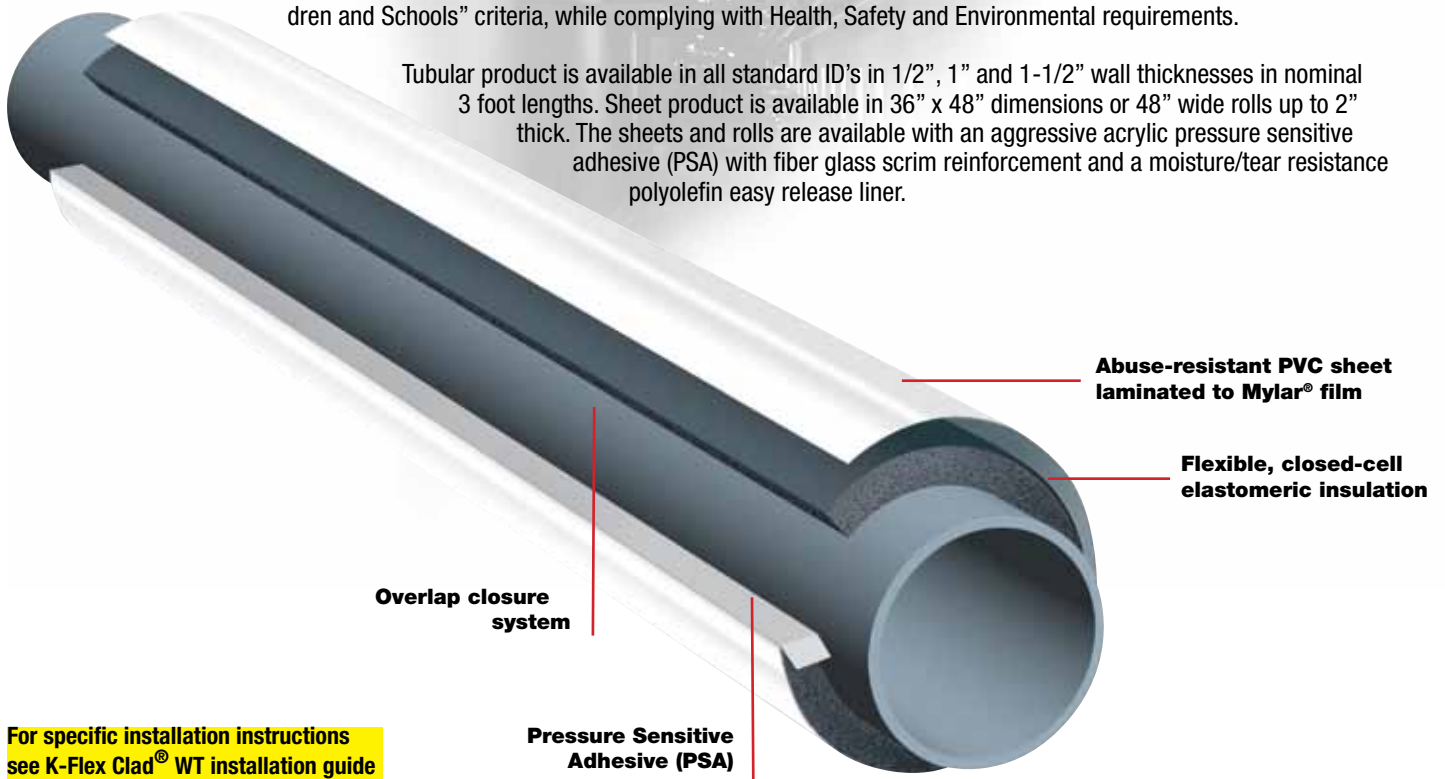
The cladding also provides weather and abuse resistance, as well as protection from UV rays. The smooth white surface is easy to clean, dust-free, resistant to acids, alkali, salts, oil, fats, aliphatic hydrocarbons, and is highly impermeable to gases and moisture. The flexible cladding does not dent like traditional metal jackets, has excellent appearance and is easy to maintain.

The unique closure system (over lap system for longitudinal seams and butt joints) - no through seams - insures against moisture penetration. K-Flex Clad® WT is 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. The preformed elbows and matching tape allows for a professional and durable installation.

This composite product has a low thermal conductivity, a high water vapor diffusion resistance factor and greatly reduces the problem of under insulation corrosion. Standard K-Flex Clad® WT can be used over a wide range of temperatures from -297°F to +220°F. The temperature range for K-Flex Clad® WT - ECO is from -297°F to +300°F.

K-Flex Clad® WT is a fiber-free and non-porous insulation product. K-Flex Clad® WT is CFC- and HCFC-free, with an Ozone Depletion Potential of Zero. K-Flex Clad® WT is GreenGuard® Certified for VOC content and mold resistance, meeting the "Children and Schools" criteria, while complying with Health, Safety and Environmental requirements.

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



For specific installation instructions see K-Flex Clad® WT installation guide

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An all inclusive insulation system with factory applied finish and a full range of accessories. Ideal for slide-on applications.



PHYSICAL PROPERTIES OF PVC/MYLAR® FILM LAMINATE MATERIAL

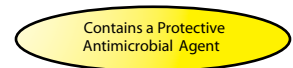
Thickness	0.012"	
Reaction to Fire	25/50	ASTM E 84
Water Vapor Permeability	0.001 perm-in	ASTM E 96
Weather, UV Resistance	Excellent	ASTM G 53
Corrosion Risk	The system provides protection for corrosion under insulation	
Salt Spray Resistance	Excellent	BS 903 F12
Wear Resistance	Excellent	BS 903 A2
Ozone Resistance	Excellent	BS 903 A43
Chemical Resistance	Excellent	Acids, Alcohols, Alkalies, Oils
Emissivity	0.80	ASTM C 1371
Color	White	

PHYSICAL PROPERTIES OF ELASTOMERIC CORE MATERIAL (STANDARD)

Temperature Range/Sheet	-297°F to +220°F	ASTM C 411	
Color	Black		
Thermal Conductivity	75°F Mean temp	0.25 BTU-in/hr-ft ² -°F	ASTM C 177, ASTM C 518
Water vapor permeability	<0.06 perm-in	ASTM E 96	
Water absorption %	<0.2 by volume	ASTM C 209	
Resistance to oil & greases	Good		
Density	3 pcf to 4 pcf	ASTM D 1622, ASTM D 3575	
Resistance to U.V. & weather	Good		
Odor	Negligible		
Ozone resistance	Good		
% closed cells	>90		
Dimensional Stability	<4.0 % @ 220°F	ASTM C 534	
Flame Spread (up to 1-1/2" thickness)	Not greater than 25	ASTM E 84	
Smoke Developed (up to 1-1/2" thickness)	Not greater than 50	ASTM E 84	
Flexibility	Excellent		

PHYSICAL PROPERTIES OF COMPOSITE SYSTEM

Water Vapor Permeability	0.05 perm-in	ASTM E 96
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