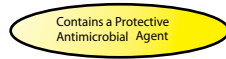


# K-Flex Clad® AL

Elastomeric Insulation Clad with Aluminum Foil/Laminated to Plastic Sheet



## FEATURES AND BENEFITS

- Available in both tubes and sheets.
- Comprised of flexible closed-cell elastomeric insulation adhered to a plastic sheet laminated to aluminum foil.
- Ideal for outdoor applications.
- The cladding provides a secondary moisture vapor barrier.
- The unique overlap closure system leaves no through seams, ensuring against moisture penetration.
- Light and easy to handle and saves on installation costs.
- Low thermal conductivity, high water vapor diffusion resistance, and reduces under insulation corrosion.
- GREENGUARD® Certified for low VOC content.

## PHYSICAL PROPERTIES OF ALUMINUM LAMINATE MATERIAL

<b>Thickness</b>	<b>0.016"</b>	
<b>Reaction to Fire</b>	<b>25/450</b>	<b>ASTM E 84</b>
<b>Water Vapor Permeability</b>	<b>0.0 perm-in</b>	<b>ASTM E 96</b>
<b>Weather, UV Resistance</b>	<b>Excellent</b>	<b>ASTM G 53</b>
<b>Corrosion Risk</b>	<b>The system provides protection for corrosion under insulation</b>	
<b>Salt Spray Resistance</b>	<b>Excellent</b>	<b>BS 903 F12</b>
<b>Wear Resistance</b>	<b>Excellent</b>	<b>BS 903 A2</b>
<b>Ozone Resistance</b>	<b>Excellent</b>	<b>BS 903 A43</b>
<b>Chemical Resistance</b>	<b>Excellent</b>	<b>Acids, Alcohols, Alkalies, Oils</b>
<b>Emissivity</b>	<b>0.80</b>	<b>ASTM C 1371</b>
<b>Color</b>	<b>Silver</b>	

## PHYSICAL PROPERTIES OF ELASTOMERIC CORE MATERIAL (STANDARD)

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

## PHYSICAL PROPERTIES OF COMPOSITE SYSTEM

<b>Water Vapor Permeability</b>	<b>0.0 perm-in</b>	<b>ASTM E 96</b>
---------------------------------	--------------------	------------------



K-Flex USA - 100 Nomaco Drive - Youngsville, NC 27596 - toll free 800-765-6475 - fax 800-765-6471 - www.kflexusa.com

©May 2010 K-Flex USA. K-Flex Clad® is a registered trademark of K-Flex USA. The GREENGUARD® INDOOR AIR QUALITY CERTIFIED mark is a registered certification mark used under license through the GREENGUARD® Environmental Institute. KFPS-0020-0710