














# PRODUCT GUIDE

	K-FLEX® ELASTOMERIC TUBE	K-FLEX® ELASTOMERIC SHEET/ROLL	K-FIT®	K-FLEX DUCT® LINER GRAY	K-FLEX ECO®	K-FLEX ACCESSORIES	K-FLEX CLAD® AL	K-FLEX CLAD® WT	K-FLEX CLAD® IN	K-FONIK® GK / GV	K-FONIK® AB
DESCRIPTION	 <p>Closed cell flexible elastomeric foam insulation tubes designed for use on HVAC/R and Industrial Process piping and equipment. The product offers a high resistance to moisture vapor intrusion and a low thermal conductivity. For most indoor applications, no additional jacketing is required. Available in NBR/PVC (technical data below) and EPDM* elastomeric blends.</p> <p><small>*EPDM (300°F high temperature) designed for special applications and available in limited sizes (1/2", 3/4", 1"). Contact K-FLEX technical support for additional information.</small></p>	 <p>Closed cell flexible elastomeric foam insulation sheets / rolls designed for use on HVAC/R and Industrial Process ductwork, vessels, equipment and large ID piping (&gt;8" IPS). The product offers a high resistance to moisture vapor intrusion and a low thermal conductivity. For most indoor applications, no additional jacketing is required. Available in NBR/PVC (technical data below) and EPDM* elastomeric blends.</p> <p><small>*EPDM (300°F high temperature) designed for special applications and available in limited sizes (1/2", 3/4", 1"). Contact K-FLEX technical support for additional information.</small></p>	 <p>Closed cell flexible elastomeric foam insulation made fitting form (elbows, tees, p-traps, grooved fittings) designed for use on HVAC/R pipe bends, intersections and curvatures. Fittings are produced in a controlled manufacturing environment using an automated process to ensure uniformity, compression fit and water-tight seams.</p>	 <p>Fiber-free, closed cell flexible elastomeric foam insulation tubes and sheets designed for use as an acoustical / thermal insulation liner in commercial and industrial HVAC ducts. The product offers excellent sound absorption, high resistance to moisture vapor intrusion, low thermal conductivity and does not require additional facing.</p>	 <p>Halogen-free, closed cell flexible elastomeric foam insulation tubes and sheets / rolls designed for use on marine, commercial and industrial piping, tanks, vessels and equipment. The product offers a high resistance to moisture vapor intrusion and a low thermal conductivity. As a halogen-free material, it is ideal for use on stainless steel applications or where corrosive smoke and environmental issues (toxicity) are critical.</p>	 <p><b>K-FLEX® Elastomeric Foam Tape</b></p> <ul style="list-style-type: none"> <li>Foam tape rolls with a smooth, black surface.</li> </ul> <p><b>K-FLEX CLAD® Joint Sealing Tape</b></p> <ul style="list-style-type: none"> <li>Tapes for sealing joints and edges of Clad jacketing.</li> </ul> <p><b>K-FLEX® Contact Adhesives (320, 373, 420, 620, 720)</b></p> <ul style="list-style-type: none"> <li>Air-drying, solvent-based adhesives for joining seams and joints.</li> <li>Available for quick (320, 620) or slow (373) drying, color preference, Low VOC (720), and high temperature use (420).</li> </ul> <p><b>K-FLEX® 374 Protective Coating</b></p> <ul style="list-style-type: none"> <li>Water-based coating that provides UV protection.</li> </ul> <p><b>K-FLEX® Insulated Pipe Supports</b></p> <ul style="list-style-type: none"> <li>360° position free, rigid polyurethane core with elastomeric insulation collars and outer PVC jacketing with overlapping tab.</li> </ul>	 <p>A multi-ply laminate jacketing consisting of a PVC backing and aluminum foil coated with a transparent protective polyester film. Ideal for outdoor applications, the jacket provides low permeance and excellent UV, puncture and dent resistance. The outer film offers dirt and chemical resistance, cleanliness and a high emissivity value (0.80). Jacketing is available in roll form for use on all insulation types or factory-adhered to K-FLEX elastomeric tubes, sheets and rolls.</p>	 <p>A multi-ply laminate jacketing consisting of a PVC backing and aluminum foil coated with a white protective polyester film. Ideal for wash down or clean room applications, the 25/50-rated and NSF-approved jacket provides low permeance and excellent puncture and dent resistance. The outer film offers dirt and chemical resistance, cleanliness and a high emissivity value (0.80). Jacketing is available in roll form for use on all insulation types or factory-adhered to K-FLEX elastomeric tubes, sheets and rolls.</p>	 <p>A flexible, non-metallic, polymeric (CPE/PVC) protective jacketing that is ideal for industrial plants, operating mills (pulp and paper), offshore platforms, FPSOs, LNG terminals and marine applications. The 100% sealable jacket provides excellent resistance against UV, high humidity, salt spray, weather, acids, oils, chemicals, impact and mechanical abuse, corrosion under insulation (CUI) and moisture vapor intrusion. Jacketing is available in roll form for use on all insulation types or factory-adhered to K-FLEX elastomeric tubes, sheets and rolls.</p>	 <p>Flexible, non-reinforced, resilient mass-loaded elastomeric noise barriers. K-FONIK® GK is for general purpose applications and K-FONIK® GV is halogen-free for use on stainless steel, IMO-recognized marine applications and mass transit / transportation applications.</p>	 <p>Flexible, open cell sound absorber comprised of recycled, closed cell foam particles bonded together. The combination of closed cell material re-engineered into an open cell structure results in a unique set of properties that readily accept and dissipate sound waves, ensuring maximum acoustical absorption.</p>
AVAILABILITY	<ul style="list-style-type: none"> <li>Non-slit for slide-on applications</li> <li>Self-Seal (Pre-Slit / Pre-Glued / DoubleSeal closure system) for retrofit applications</li> <li>Thickness: 3/8" (1/2" DoubleSeal) to 2"</li> <li>ID: 3/8" to 4" IPS (self-seal), 8" IPS (non-slit)</li> <li>Length: 6', continuous coils (non-slit)</li> <li>Color: Black or White</li> </ul> <p><small>Technical Data referenced in this document pertains to K-FLEX® NBR/PVC-based black elastomeric insulation. For technical information for K-FLEX® White, please see respective product sheet as availability, technical properties, specification compliance, and installation recommendations are subject to change.</small></p>	<ul style="list-style-type: none"> <li>S2S (skin-two-side) or Factory-applied PSA (adhesive)</li> <li>Thickness: 1/8" to 2"</li> <li>Sheets: 3' x 4'</li> <li>Rolls: 4' width</li> <li>Color: Black</li> </ul>	<ul style="list-style-type: none"> <li>Type: Elbows, Tees, P-Traps, Grooved (elbows, tees, couplings)</li> <li>Thickness: 1/2" to 2"</li> <li>ID: 3/8" to 6" IPS (standard fittings) or 12" IPS (grooved)</li> <li>Color: Black, White, Green (ECO)</li> </ul> <p><small>Technical Data referenced in this document pertains to K-Fit® fittings made from K-FLEX® NBR/PVC-based black elastomeric insulation. For technical information for K-FIT® White and K-FIT® ECO, please see respective product sheets as availability, technical properties, specification compliance, and installation recommendations are subject to change.</small></p>	<ul style="list-style-type: none"> <li>S2S (skin-two-side) or Factory-applied PSA (adhesive)</li> <li>Thickness: 1/2" to 2"</li> <li>Sheets: 3' x 4'</li> <li>Rolls: 46.25", 47", 48", 56.25", 59", and 60" widths</li> <li>Color: Gray</li> </ul>	<ul style="list-style-type: none"> <li>Color: Green</li> <li><b> Tubular Form:</b></li> <li>Non-slit</li> <li>Thickness: 1/2", 3/4", 1"</li> <li>ID: 3/8" to 8" IPS</li> <li>Length: 6'</li> <li><b> Sheet / Roll Form:</b></li> <li>S2S (skin-two-side) or Factory-applied PSA (adhesive)</li> <li>Thickness: 1/2", 3/4", 1"</li> <li>Sheets: 3' x 4'</li> <li>Rolls: 4' width</li> </ul>	<p><b>K-FLEX® Elastomeric Foam Tape</b> Thickness: 1/8"; Width: 2"; Length: 30'</p> <p><b>K-FLEX CLAD® ALWT Joint Sealing Tape</b> Width: 2", 4" or 6"; Length: 45'</p> <p><b>K-FLEX® Contact Adhesives (320, 373, 420, 620, 720)</b> 320 (amber) &amp; 620 (black): 1/2 Pints, Pints, Quarts, Gallons 373: Pints, Quarts, Gallons 420 &amp; 720: Quarts <b>K-FLEX® 374 Protective Coating</b> Gallons <b>K-FLEX® Insulated Pipe Supports</b> Thickness: 1/2" to 2" ID: 3/8" to 6" IPS</p>	<p><b>Jacketing</b></p> <ul style="list-style-type: none"> <li>With or without Factory-applied PSA</li> <li>Thickness: 0.012"</li> <li>Size: 48" width x 75' length</li> <li>Color: Silver</li> </ul> <p><b>Jacket Factory-applied to Elastomeric Tube</b></p> <ul style="list-style-type: none"> <li>Non-slit or Pre-Slit / Pre-Glued option</li> <li>Thickness: 1/2" to 2"</li> <li>ID: 1/2" to 4" IPS</li> <li>Length: 3'</li> <li>Segmented Elbow Covers Available</li> </ul> <p><b>Jacket Factory-applied to Elastomeric Sheet / Roll</b></p> <ul style="list-style-type: none"> <li>S2S (skin-two-side) or Factory-applied PSA (adhesive)</li> <li>Thickness: 1/2" to 2"</li> <li>Sheets: 3' x 4'; Rolls: 4' width</li> </ul>	<p><b>Jacketing</b></p> <ul style="list-style-type: none"> <li>With or without Factory-applied PSA</li> <li>Thickness: 0.012"</li> <li>Size: 48" width x 75' length</li> <li>Color: White</li> </ul> <p><b>Jacket Factory-applied to Elastomeric Tube</b></p> <ul style="list-style-type: none"> <li>Non-slit or Pre-Slit / Pre-Glued option</li> <li>Thickness: 1/2" to 2"</li> <li>ID: 1/2" to 4" IPS</li> <li>Length: 3'</li> <li>Molded Elbow / Tee Covers Available</li> </ul> <p><b>Jacket Factory-applied to Elastomeric Sheet / Roll</b></p> <ul style="list-style-type: none"> <li>S2S (skin-two-side) or Factory-applied PSA (adhesive)</li> <li>Thickness: 1/2" to 2"</li> <li>Sheets: 3' x 4'; Rolls: 4' width</li> </ul>	<p><b>Jacketing</b></p> <ul style="list-style-type: none"> <li>Thickness: 0.045"</li> <li>Size: 39" width x 75' length</li> <li>Color: Gray or Black</li> </ul> <p><b>Jacket Factory-applied to Elastomeric Tube (Pre-Slit)</b></p> <ul style="list-style-type: none"> <li>Thickness: 1", 1 1/2"</li> <li>ID: 1/2" to 4" IPS</li> <li>Length: 3'</li> <li>Elbow Covers Available</li> </ul> <p><b>Jacket Factory-applied to Elastomeric Sheet / Roll</b></p> <ul style="list-style-type: none"> <li>S2S (skin-two-side) or Factory-applied PSA (adhesive)</li> <li>Thickness: 1/2" to 2"</li> <li>Sheets: 3' x 4'; Rolls: 3' width</li> </ul>	<p><b>K-FONIK® GK</b></p> <ul style="list-style-type: none"> <li>Mass (lb/ft³): 0.5, 1.0, 1.5</li> <li>Roll Width: 48"</li> <li>Color: Black</li> </ul> <p><b>K-FONIK® GV</b></p> <ul style="list-style-type: none"> <li>Mass (lb/ft³): 0.75, 1.0, 1.5</li> <li>Roll Width: 48"</li> <li>Color: Gray</li> </ul>	<ul style="list-style-type: none"> <li>Density (lb/ft³): 10, 15</li> <li>Dimensions: 2.5m x 1.5m</li> <li>Thickness: 1/2", 1", 1 1/2", 2", 13" (bun form)</li> </ul>
PERFORMANCE CHARACTERISTICS	<p><b>Temperature Range:</b> -297°F* to +220°F -40°F to +220°F (self-seal) <b>Thermal Conductivity (k-value, ASTM C177):</b> 0.245 Btu-in/(h-ft²-°F) <b>Water Vapor Permeability (ASTM E96):</b> &lt;0.01 perm-in</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>Temperature Range:</b> -297°F* to +220°F -40°F to +200°F (with PSA) <b>Thermal Conductivity (k-value, ASTM C177):</b> 0.245 Btu-in/(h-ft²-°F) <b>R-Value:</b> 1" = 4, 2" = 8 <b>Water Vapor Permeability (ASTM E96):</b> &lt;0.01 perm-in</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>Temperature Range:</b> -297°F* to +220°F <b>Thermal Conductivity (k-value, ASTM C177):</b> 0.245 Btu-in/(h-ft²-°F) <b>Water Vapor Permeability (ASTM E96):</b> &lt;0.01 perm-in</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>NRC (ASTM C423):</b> 0.55 (1") <b>Temperature Range:</b> -40°F to +200°F (with PSA) <b>Thermal Conductivity (k-value, ASTM C177):</b> 0.25 Btu-in/(h-ft²-°F) <b>R-Value:</b> 1" = 4.2, 2" = 8 <b>Water Vapor Permeability (ASTM E96):</b> &lt;0.06 perm-in</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>Temperature Range:</b> -297°F* to +250°F <b>Thermal Conductivity (k-value, ASTM C177):</b> 0.27 Btu-in/(h-ft²-°F) <b>Water Vapor Permeability (ASTM E96):</b> &lt;0.10 perm-in</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>K-FLEX® Elastomeric Foam Tape</b> <b>Temperature Range:</b> -40°F to +200°F</p> <p><b>K-FLEX CLAD® Joint Sealing Tape</b> <b>Water Vapor Permeance (ASTM E96):</b> 0.001 perms</p> <p><b>K-FLEX® Contact Adhesives (320, 373, 420, 620, 720)</b> 320 &amp; 620: Quick drying (2-4 minutes) 373: Slow drying (5-10 minutes minimum) 420: High heat resistance 720: VOC = 0 g/L; halogen-free</p> <p><b>K-FLEX® 374 Protective Coating</b> Resists UV for 2-3 years</p> <p><b>K-FLEX® Insulated Pipe Supports</b> Compressive Strength: 72 psi</p>	<p><b>Temperature Range*:</b> Service temperature matches insulation used <b>Thermal Conductivity (k-value, ASTM C177):</b> Matches insulation used <b>Water Vapor Permeance (ASTM E96):</b> 0.001 perms <b>Emissivity:</b> 0.80</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>Temperature Range*:</b> Service temperature matches insulation used <b>Thermal Conductivity (k-value, ASTM C177):</b> Matches insulation used <b>Water Vapor Permeance (ASTM E96):</b> 0.001 perms <b>Emissivity:</b> 0.80</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>Temperature Range*:</b> Service temperature matches insulation used High surface temperature: +175°F Cold temperature flexibility (installation): -4°F <b>Thermal Conductivity (k-value, ASTM C177):</b> Matches insulation used <b>Water Vapor Permeance (ASTM E96):</b> 0.08 perms <b>Emissivity:</b> 0.90</p> <p><small>*For applications below -40°F, please consult K-Flex technical support.</small></p>	<p><b>Temperature Range:</b> -40°F to +158°F <b>Sound Transmission Loss (ASTM E90):</b> 21 dB: 0.5 lb/ft² (GK only) 25 dB: 0.75 lb/ft² (GV only) 26 dB: 1.0 lb/ft² 29 dB: 1.5 lb/ft²</p>	<p><b>Temperature Range:</b> -40°F to +185°F <b>NRC (ASTM C423):</b> 0.75 (1") 0.85 (2") <b>Thermal Conductivity (k-value, ASTM C177):</b> 0.30 Btu-in/(h-ft²-°F)</p>
SPECIFICATION COMPLIANCE	<ul style="list-style-type: none"> <li>ASTM C534 (Type 1, Grade 1)</li> <li>ASTM E84 (25/50-rated to 2")</li> <li>UL 94-5V (#300774)</li> <li>Mil-P-15280, Form T (non-slit tube)</li> <li>Factory Mutual Approved</li> <li>Meets energy code requirements of ASHRAE 90.1 and 189.1</li> <li>UL GREENGUARD® Gold Certified</li> </ul>	<ul style="list-style-type: none"> <li>ASTM C534 (Type 2, Grade 1)</li> <li>ASTM E84 (25/50-rated to 2")</li> <li>UL 94-5V (#300774)</li> <li>Mil-P-15280, Form S (S2S sheet)</li> <li>Meets energy code requirements of ASHRAE 90.1 and 189.1</li> <li>UL GREENGUARD® Gold Certified</li> </ul>	<ul style="list-style-type: none"> <li>ASTM C534 (Type 1, Grade 1)</li> <li>ASTM E84 (25/50-rated to 2")</li> <li>Meets energy code requirements of ASHRAE 90.1 and 189.1</li> <li>UL GREENGUARD® Gold Certified</li> </ul>	<ul style="list-style-type: none"> <li>ASTM C1534</li> <li>ASTM C534 (Type 2, Grade 1)</li> <li>ASTM E84 (25/50-rated to 2")</li> <li>Meets energy code requirements of ASHRAE 90.1 and 189.1</li> <li>UL GREENGUARD® Gold Certified</li> </ul>	<ul style="list-style-type: none"> <li>ASTM C534 (Type 1 or 2, Grade 3)</li> <li>ASTM E84 (25/50-rated to 3/4")</li> <li>UL 94-5V (#362979)</li> <li>EB 4013 (US Navy)</li> <li>IMO SOLAS</li> <li>Lloyd's Register</li> <li>ABS</li> <li>Transport Canada Board of Steamship Inspection</li> </ul>	<ul style="list-style-type: none"> <li><b>K-FLEX® Elastomeric Foam Tape</b></li> <li>ASTM E84 (25/50-rated)</li> <li><b>K-FLEX CLAD® Joint Sealing Tape</b></li> <li>ASTM E84 (WT: 25/50-rated; AL: 25/450-rated)</li> <li><b>K-FLEX® Contact Adhesives</b></li> <li>320, 620, 720: ASTM E84 (25/50-rated)</li> <li>373: Mil-A-24179A Type 2, Class 1</li> <li>720: EPA 40 CFR-59 sub part 1, SCAQMD Rule 1168 &amp; LEED</li> <li><b>K-FLEX® 374 Protective Coating</b></li> <li>ASTM E84 (25/50-rated)</li> </ul>	<ul style="list-style-type: none"> <li><b>Jacketing</b></li> <li>ASTM E84 Class A (25/450-rated)</li> <li><b>Jacket Factory-applied to Elastomeric Tubes, Sheets or Rolls</b></li> <li>ASTM C534, Type 1 or 2, Grade 1</li> <li>UL GREENGUARD® Gold Certified</li> </ul>	<ul style="list-style-type: none"> <li><b>Jacketing</b></li> <li>ASTM E84 (25/50-rated)</li> <li><b>Jacket Factory-applied to Elastomeric Tubes, Sheets or Rolls</b></li> <li>ASTM C534, Type 1 or 2, Grade 1</li> <li>NSF/ANSI Standard 169 (tubing only)</li> <li>UL GREENGUARD® Gold Certified</li> </ul>	<ul style="list-style-type: none"> <li><b>Jacketing</b></li> <li>ASTM E84 Class A (25/450-rated)</li> <li>ABS</li> <li>Det Norske Veritas (DNV)</li> <li>Lloyd's Register</li> <li>Norsk Standard R-004 ed 3 (par. 5.9 non-metallic jacket)</li> <li><b>Jacket Factory-applied to Elastomeric Tubes, Sheets or Rolls</b></li> <li>ASTM C534, Type 1 or 2, Grade 1</li> <li>IMO 61/67 part 2 &amp; 5</li> </ul>	<ul style="list-style-type: none"> <li><b>K-FONIK® GK/GV</b></li> <li>ASTM E84 (25/50-rated) - without FSK</li> <li>FMVSS 302</li> <li><b>K-FONIK® GV only</b></li> <li>ASTM E162: 25 max</li> <li>ASTM E662: 100 max</li> <li>IMO A653 (CE Marine)</li> <li>IMO FTP Code Part 5</li> <li><b>K-FONIK® GK only</b></li> <li>UL 94-HB (#300774)</li> </ul>	<ul style="list-style-type: none"> <li>UL 94-HB (pass, not listed)</li> <li>FMVSS 302</li> </ul>

