



New!

	K-FLEX® INSUL-TUBE®	K-FLEX® INSUL-SHEET®	K-FLEX INSUL-LOCK DS	K-FLEX HT	K-FLEX ECO®	K-FIT®	K-FLEX CLAD®	K-FLEX TITAN - UV RESISTANT	K-FLEX DUCT® LINER GRAY	K-FONIK® GK / GV	K-FLEX® PE	K-FLEX® ACCESSORIES
DESCRIPTION	Closed cell flexible elastomeric foam insulation tubes designed for use on HVAC/R commercial 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.	Closed cell flexible elastomeric foam insulation sheets / rolls designed for use on HVAC/R and Industrial Process ductwork, vessels, equipment and large ID piping (>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.	Flexible closed-cell elastomeric insulation tube used to conserve energy and prevent condensation on piping applications. It is pre-slit with a factory-applied pressure sensitive modified-acrylic adhesive on the seam surface and a flexible PVC overlap tape with acrylic adhesive for double seam security.	EPDM-based closed-cell elastomeric insulation product used to conserve energy and prevent condensation on piping, vessels and industrial equipment. For applications up to 300°F.	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.	Closed cell flexible elastomeric foam insulation in factory-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.	K-FLEX CLAD® AL A multi-ply laminate jacketing consisting of a PVC backing and aluminum foil that protects insulation from UV rays, mechanical abuse, moisture and chemicals. K-FLEX CLAD® WT A multi-ply laminate jacketing consisting of a PVC backing and aluminum foil coated with a white protective polyester film that protects insulation against damage from UV rays, mechanical abuse, moisture and chemicals. *include NSF seal" K-FLEX® CLAD IN A patent pending, flexible, non-metallic, polymeric (CPE/PVC) barrier that provides superior protection against the most extreme environmental conditions. Available in gray. Jacketing is available in roll form for use on all insulation types or factory-adhered to K-FLEX elastomeric tubes, sheets and rolls.	Closed-cell elastomeric insulation (EPDM or NBR/PVC) tube that is factory-adhered to a flexible polymeric jacketing material. The jacket offers excellent UV protection, flexibility, abrasion and weather resistance, making it ideal for outdoor applications. 1-Step Install: No field applied protective coating or additional jacketing required	Fiber-free, closed cell flexible elastomeric foam insulation sheets / rolls 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.	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. K-FONIK GK/GV may be laminated to other K-FLEX insulation products and/or weathering jackets for specific application requirements.	K-FLEX® PE is a polyethylene-based closed cell, flexible foam insulation meeting the requirements of ASTM C1427. The product is designed for use on plumbing lines.	K-FLEX® Elastomeric Foam Tape Foam tape rolls with a smooth, black surface. K-FLEX CLAD® Joint Sealing Tape Tapes for sealing joints and edges of Clad jacketing. K-FLEX® Contact Adhesives (320, 373, 420, 620, 720 Low VOC) Air-drying, solvent-based adhesives for joining seams and joints. Available for quick (320, 620) or slow (373) drying, color preference, Low VOC (720), and high temperature use (420). K-FLEX® 1120 Water-Based Adhesive Sprayable water-based adhesive low VOC. K-FLEX® 374 Protective Coating Water-based coating that provides UV protection. K-FLEX® Insulated Pipe Supports 360° position free, rigid polyurethane core with elastomeric insulation collars and outer PVC jacketing with overlapping tab. K-FLEX® Aluminum Foil Tape Used to seal joints and seams of HVAC ductwork. K-FLEX® FSK Tape Used to seal joints and seams of FSK faced mechanical insulation.
AVAILABILITY	<ul style="list-style-type: none"> Non-slit for slide-on applications Self-Seal (Pre-Slit / Pre-Glued / DoubleSeal closure system) for retrofit applications Thickness: 3/8" (1/2" DoubleSeal) to 2" ID: 3/8" to 4" IPS (self-seal), 8" IPS (non-slit) Length: 6', 18' or continuous coils (non-slit) Color: Black 	<ul style="list-style-type: none"> S2S (skin-two-side) or Factory-applied PSA (adhesive) Thickness: 1/8" to 2" Sheets: 3' x 4' Rolls: 4' width (standard) Other widths available by special order Color: Black 	<ul style="list-style-type: none"> Thickness: 1/2" to 2" ID: 3/8" to 4" IPS standard, 8" IPS special order Length: 6' Color: Black 	<ul style="list-style-type: none"> Color: Black 	<ul style="list-style-type: none"> Thickness: 1/2" to 1" ID: 3/8" to 5" IPS standard, 6" IPS special order Length: 6' 	<ul style="list-style-type: none"> Type: 45° and 90° long and short radius Elbows, Tees, P-Traps, Grooved (elbows, tees, couplings) Thickness: 1/2" to 2" ID: 3/8" to 6" IPS (standard fittings) or 12" IPS (grooved) standard, 8" IPS special order. Color: Black, Green (ECO) 	<ul style="list-style-type: none"> Thickness: 0.012" (AL and WT) or 0.045" (IN) Size: 48" (AL and WT) or 39" (IN) width x 75' length Color: Aluminum (AL), White (WT), Gray (IN) Jacket Factory-applied to Elastomeric Tube (Pre-Slit) Thickness: 1" to 2" ID: 1/2" to 8" IPS varies by wall thickness. Some sizes special order. Length: 3' Elbow Covers Available Jacket Factory-applied to Elastomeric Sheet / Roll S2S (skin-two-side) or Factory-applied PSA (adhesive) Thickness: 1/2" to 2" Sheets: 3' x 4'; Rolls: 4' width 	<ul style="list-style-type: none"> Non-slit for slide on applications Thickness: 1/2" to 1" ID: 1/2" to 2-1/2" IPS Length: 6' Color: Black 	<ul style="list-style-type: none"> S2S (skin-two-side) or Factory-applied PSA (adhesive) Thickness: 1/2" to 2" Sheets: 3' x 4' Rolls: 46.25", 47", 48", 56.25", 59", and 60" widths Color: Gray 	<ul style="list-style-type: none"> Mass (lb/ft³): 0.5, 1.0, 1.5 Roll Width: 48" Color: Black 	<ul style="list-style-type: none"> Color: Black 	<ul style="list-style-type: none"> Thickness: 1/8"; Width: 2"; Length: 30' K-FLEX CLAD® AL/WT Joint Sealing Tape Width: 2", 4" or 6"; Length: 45' K-FLEX® Contact Adhesives (320, 373, 420, 620, 720) 320 (amber) & 620 (black): 1/2 Pints, Pints, Quarts, Gallons 373: Pints, Quarts, Gallons 420 & 720: Quarts K-FLEX® 1120 Water-Based Adhesive 1 Gallon 5 Gallon 52 Gallon Drums K-FLEX® 374 Protective Coating Gallons K-FLEX® Insulated Pipe Supports Thickness: 1/2" to 2" standard ID: 3/8" to 6" IPS standard K-FLEX® Aluminum Foil Tape Width: 3" or 4"; Length: 50 yd K-FLEX® FSK Tape Width: 3" or 4"; Length: 50 yd
PERFORMANCE CHARACTERISTICS	<p>Temperature Range*: -297°F to +220°F -40°F to +220°F (self-seal) Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range*: -297°F to +220°F -40°F to +200°F (with PSA) Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/(h-ft²-°F) @ 75°F mean R-Value: 1" = 4.2, 2" = 8.3 Water Vapor Permeability (ASTM E96): <0.01 perm-in</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range*: -40°F to +220°F (self-seal) Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range*: -297°F to 300°F -40°F to +200°F (with PSA) Thermal Conductivity (k-value, ASTM C177): 0.263 Btu-in/hr-ft²-°F Water Vapor Permeability: 0.1 perm-in</p>	<p>Temperature Range*: -297°F to +250°F Thermal Conductivity (k-value, ASTM C177): 0.27 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.10 perm-in</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range*: -297°F to +220°F Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/hr-ft² @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range*: -297°F to +220°F Thermal Conductivity (k-value, ASTM C177): 0.242 Btu-in/hr-ft² @ 75°F mean Water Vapor Permeability (ASTM E96): <0.01 perm-in</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range*: -70°F to 300°F (EPDM) -70°F to 220°F (NBR/PVC) Thermal Conductivity (k-value, ASTM C177): 0.263 (EPDM) 0.242 (NBR/PVC) Water Vapor Permeability (ASTM E96): 0.1 perm-in (EPDM) <0.01 perm-in (NBR/PVC) UV test (ASTM G153)</p> <p>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>NRC (ASTM C423): 0.55 (1") Temperature Range*: -40°F to +158°F Sound Transmission Loss (ASTM E90): 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>* For applications below -40°F, please consult K-FLEX technical support.</p>	<p>Temperature Range: -40°F to +158°F Sound Transmission Loss (ASTM E90): 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>Temperature Range*: -200°F to +200°F Thermal Conductivity (k-value, ASTM C177): 0.270 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.05 perm-in</p> <p>*For applications below -40°F, please consult K-Flex technical support.</p>	<p>Temperature Range: -40°F to +200°F Thermal Conductivity (k-value, ASTM C177): 0.270 Btu-in/(h-ft²-°F) @ 75°F mean Water Vapor Permeability (ASTM E96): <0.05 perm-in</p> <p>*For applications below -40°F, please consult K-FLEX technical support.</p>
SPECIFICATION COMPLIANCE	<ul style="list-style-type: none"> ASTM C534 (Type 1, Grade 1) ASTM E84 (25/50-rated to 2") UL 94-5V (#300774) Mil-P-15280, Form T (non-slit tube) Factory Mutual Approved Meets energy code requirements of ASHRAE 90.1 and 189.1 UL GREENGUARD® Gold Certified UL validated mold resistance 	<ul style="list-style-type: none"> ASTM C534 (Type 2, Grade 1) ASTM E84 (25/50-rated to 2") UL 94-5V (#300774) Mil-P-15280, Form S (S2S sheet) Meets energy code requirements of ASHRAE 90.1 and 189.1 UL GREENGUARD® Gold Certified UL validated mold resistance 	<ul style="list-style-type: none"> ASTM C534 (Type 1, Grade 1) ASTM E84 (25/50-rated to 2") UL 94-5V (#362974) Mil-P-15280, Form T (non-slit tube) Factory Mutual Approved Meets energy code requirements of ASHRAE 90.1 and 189.1 UL GREENGUARD® Gold Certified UL validated mold resistance 	<ul style="list-style-type: none"> ASTM C534 (Type 1 and 2, Grade 2) ASTM E84 (25/50-rated to 1") NFPA No. 101 Class A Rating NFPA 90A, 90B 	<ul style="list-style-type: none"> ASTM C534 (Type 1 or 2, Grade 3) ASTM E84 (25/50-rated to 3/4") UL 94-5V (#362979) EB 4013 (US Navy) IMO SOLAS Lloyd's Register ABS Transport Canada Board of Steamship Inspection 	<ul style="list-style-type: none"> ASTM C534 (Type 1, Grade 1) ASTM E84 (25/50-rated to 2") Meets energy code requirements of ASHRAE 90.1 and 189.1 UL GREENGUARD® Gold Certified (NBR/PVC) UL validated mold resistance (NBR/PVC) 	<ul style="list-style-type: none"> ASTM C534 (Type 1, Grade 1) ASTM E84 (25/50-rated) (WT only) Meets requirements of ASTM C1136 Grade VIII (WT only) ABS (IN only) Det Norske Veritas (DNV) (IN only) Lloyd's Register (IN only) Norsok Standard R-004 ed 3 (par. 5.9 non-metallic jacket) (IN only) 	<ul style="list-style-type: none"> ASTM E84 Class A: 25/50 IECC 2012/2015 Compliant 	<ul style="list-style-type: none"> ASTM C1534 (Grade 1) ASTM C534 (Type 2, Grade 1) ASTM E84 (25/50-rated to 2") Meets energy code requirements UL GREENGUARD® Gold Certified UL validated mold resistance 	<ul style="list-style-type: none"> ASTM E162: 25 max ASTM E662: 100 max IMO A653 (CE Marine) IMO FTP Code Part 5 	<ul style="list-style-type: none"> ASTM C1427 Type I ASTM E84 25/50-rated (to 1") UL 94 HF-1 Flammability Classification (#E300774) UL Greenguard® Gold Certified 	<ul style="list-style-type: none"> K-FLEX® Elastomeric Foam Tape ASTM E84 (25/50-rated) K-FLEX CLAD® Joint Sealing Tape ASTM E84 (WT: 25/50-rated; AL: 25/450-rated) K-FLEX® Contact Adhesives 320, 620, 720: ASTM E84 (25/50-rated) 373: Mil-A-24179A Type 2, Class 1 720: EPA 40 CFR-59 sub part 1, SCAQMD Rule 1168 & LEED K-FLEX® 1120 Water-Based Adhesive ASTM E84: 25/50 ASTM C916 Type 1 GREENGUARD® Certified - Contributes to LEED™ EQ Credits K-FLEX® 374 Protective Coating ASTM E84 (25/50-rated)

PROJECT REFERENCES

K-FLEX products have delivered lasting performance on jobs in North America and throughout the world. This is true for applications using standard tubing and sheet to those featuring factory-applied jacketing and duct lining products.

Chilled Water:

- California Street Thermal Plant, Omaha, NE
- IVY Tech Community College, Indianapolis, IN

Ammonia:

- Seneca Foods Plant, Rochester, MN

Duct Liner:

- Bellefonte High School, Bellefonte, PA
- City of Doral Courthouse, Doral, FL
- George Mason University, Fairfax, VA
- Kelowna General Hospital, BC, Canada
- Massachusetts DOT, Boston, MA

Duct Cover:

- Centura Avista Adventist Hospital, Louisville, CO
- American Snuff Company Factory, Memphis, TN
- Dallas-Fort Worth International Airport, TX
- Seagate Towers Condos, Delray Beach, FL

Refrigeration:

- Target Corp. stores, nationwide
- Wal-Mart stores, nationwide
- Brookshire Grocery stores, TX & LA

Solar Thermal:

- Duke University Smart House, Durham, NC

Oil & Gas:

- Dakota Gas Co., Gasification Tanks, North Dakota
- Oil Shipment Terminal, Newfoundland, Canada
- Lukoil, Oil Storage Tanks, Russia
- Cryostar, LNG Refueling Stations & Carriers
- Gas de France, LNG Loading Facility, France
- Shell, LNG Tanker Vessels, Korea
- SIAD Group, Nitrogen-Oxygen Plant, Italy
- Sonatrach, Arzew LNG Terminal, Algeria

Global Projects:

- Monza Racing Track, Italy
- Volkswagen, Germany
- Disneyland, Paris
- Emirates Tower, Dubai
- IBM, Segrate, Italy
- Euro 2012, 3 Stadiums, Poland
- 2014 FIFA World Cup, 5 Stadiums, Brazil
- SAP Offices, Italy (K-FONIK® GK)



California Street Thermal Plant
Omaha, NE



Bellefonte High School
Bellefonte, PA



American Snuff Company Factory
Memphis, TN



Renaissance
on Charleston Harbor Condos
Charleston, SC

About K-FLEX USA

K-FLEX USA IS A LEADING MANUFACTURER of closed cell flexible elastomeric foam insulation products for mechanical piping, ductwork and vessels.

Designed for ease of installation and reliable performance, K-FLEX products provide excellent thermal and acoustical performance, including inherent resistance to moisture intrusion.

K-FLEX USA prides itself on being responsive to the market, providing dependable service to customers throughout North America, bringing an innovative approach to product offerings, and having products that are 3rd party tested and certified.

In April 2012, K-FLEX USA was awarded with ISO 9001:2008 certification by FM Approvals. The independent certification demonstrates the company's commitment to quality.

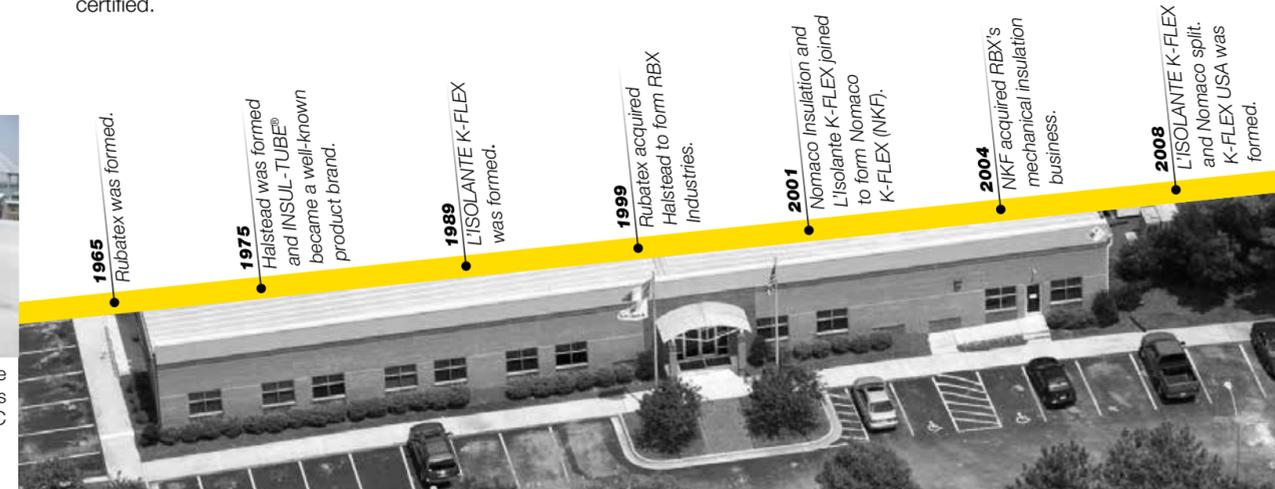
K-FLEX products have proven performance in the Plumbing, HVAC/R, Commercial/Industrial, Marine, Oil & Gas, Acoustic and OEM Markets.

As a member of the IK Insulation Group, K-FLEX USA delivers state-of-the-art levels of technical knowledge and customer support to the global mechanical insulation market.



Product Selector Guide

Closed-Cell, Flexible, Elastomeric Foam Insulation Products and Accessories



K-FLEX USA BENEFITS

- Full system solutions for Thermal, Acoustic, and Jacketing requirements
- Manufacturing, warehousing & logistics structure to meet project timelines
- Accessible & responsive sales, customer service and technical teams
- Product & installation training/site assistance

GLOBAL PRESENCE

L'ISOLANTE K-FLEX:

- 12 Production Facilities
- Worldwide Commercial Distribution
- Headquartered in Italy

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