

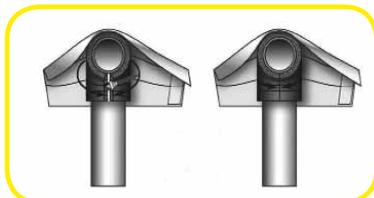
# K-FLEX CLAD® AL COVERS

Multi-Layer Laminate Protective Jacketing  
Designed for Elastomeric Insulation Elbows



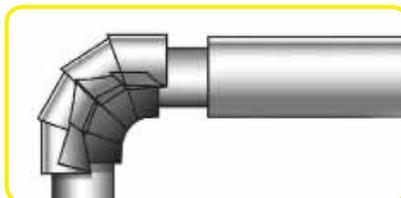
## DESCRIPTION

K-FLEX Clad® AL Segmented Fitting Covers are specially designed to protect K-FLEX closed-cell elastomeric insulation elbows, including K-Fit® factory-fabricated fittings. K-FLEX Clad® AL Covers are a 3-ply laminate consisting of a PVC core, aluminum foil, and a special UV-protective Mylar film. The 0.012" thick jacketing is ideal for outdoor applications, providing low permeance (.001 perms) and excellent UV, puncture and dent resistance. The silver color provides excellent appearance and the outer Mylar film offers dirt resistance, cleanability and a high emissivity value (0.80).



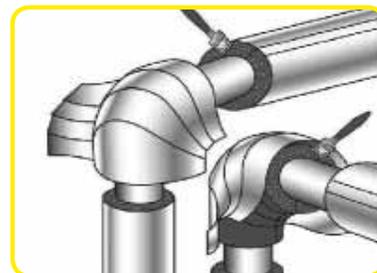
## APPLICATIONS

K-FLEX Clad® AL Jacketing is an ideal choice for outdoor applications (roof top), food processing plants, pharmaceutical facilities, film processing, electronics and other clean room applications subject to code compliance. The cladding provides weather and abuse resistance, as well as protection from UV rays. The smooth shiny surface is easy to clean, dust-free, resistant to acids, alkali, salts, oil, fats, and aliphatic hydrocarbons, and is highly impermeable to gases and moisture. Clad® AL does not dent like traditional metal jackets, has excellent appearance and is easy to maintain, allowing for quick and easy replacement if necessary.



## INSTALLATION

First, apply the K-Fit® elbow to the pipe. Close the seam of the K-Fit® fitting with K-FLEX® Contact Adhesive. Seal the butt joints of the elastomeric fittings and adjacent K-FLEX Clad® tubular insulation. Apply K-FLEX Clad® WT/AL cover to the K-Fit® elbow and seal the seam with the attached PSA. Apply K-FLEX Clad® WT/AL Tape (butt strip) to seal the longitudinal K-FLEX Clad® WT/AL fitting seam. To finish the butt joint between the fitting and the straight section of insulation, wrap the K-FLEX Clad® WT/AL Tape around the end of the section to be joined.



ATTRIBUTES	K-FLEX CLAD® AL	TEST METHODS
Thickness	0.012"	
Reaction to Fire	25/450	ASTM E 84
Water Vapor Permeance	0.001 perms	ASTM E 96
Weather, UV Resistance	Excellent	ASTM G 53
Corrosion Risk	Provides protection for corrosion under insulation (CUI)	
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
Puncture ∅ 3.0 mm	100 N	prEN 14 477
Emissivity	0.80	ASTM C 1371
Tensile Strength	90 lbs per ft	ASTM D 828
Burst Strength	203 psi	ASTM D 774
Dimensional Stability (length change)	-1%	ASTM D 1204
Color	Silver	



**K-FLEX USA**  
INNOVATION IN INSULATION

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