

K-FLEX CLAD® WT COVERS

Molded PVC Fitting Covers
Designed for Elastomeric Elbows & Tees



DESCRIPTION

K-FLEX CLAD® WT Molded Fitting Covers are one-piece, pre-molded, high impact, heavy-gauge PVC fitting covers designed to fit over closed cell, flexible elastomeric foam insulation elbows and tees.

AVAILABILITY

K-FLEX CLAD® WT Molded Fitting Covers are white in color and are available to fit elastomeric elbows and tees in 1/2" to 2" wall thickness in diameter sizes ranging from 1/2" I.D. to 6" IPS (ID range is subject to variation depending on wall thickness).

APPLICATIONS

K-FLEX CLAD® WT Molded Fitting Covers are recommended for applications with service temperatures ranging from -40°F (-40°C) to +220°F (+104°C) when installed over NBR PVC-based FEF insulation. They are an ideal choice for food preparation, washdown or clean room applications (NSF-approved) and the high gauge designation makes them suitable for outdoor use.

INSTALLATION

K-FLEX CLAD® WT Molded Fitting Covers are durable (resistant to punctures, dents and tearing), safe to handle (non-dusting and free of sharp edges), and lightweight for an efficient installation. The smooth surface reduces the tendency for dirt build up and allows for easy cleaning (using soap and water).

K-FLEX recommends that insulation is installed on non-operational systems with clean, dry surfaces in ambient conditions between 40°F and 100°F. After the elastomeric elbow and Clad® WT tube have been installed, the Clad® WT Molded Fitting Cover should be applied over the elbow and sealed at the seam with K-FLEX® 120 Contact Adhesive (making sure that edges are smooth and flat after application) and stainless steel tacks (Heico #2 white or equivalent). The adhesive should also be applied over the tacks to seal the puncture area. If tacks are not used, K-FLEX recommends a minimum of 24 hours of applied pressure on the elbow (using twine or equivalent) for the adhesive to have adequate time to set and create a seal.

K-FLEX® 120 Contact Adhesive is a one-part, elastomeric adhesive sealant formulated from a silane-terminated polymer. It provides outstanding bond strength that is not affected by sunlight, rain, snow, ozone or extreme temperatures. Each tube of adhesive can seal approximately 50 fittings (depending on fitting size and adhesive application).

The *K-FLEX Installation Guide* should be used as a comprehensive installation manual.

PHYSICAL PROPERTIES	K-FLEX CLAD® WT FITTING COVER	TEST METHODS
Main Composition	Pre-Molded, Heavy Gauge PVC	
Thickness	0.030"	
Specific Gravity	1.41	ASTM D792
Flame Spread / Smoke Development	<25/50	ASTM E84
Water Vapor Permeance	0.027 perms	ASTM E96
UV Resistance	Excellent (Sunlight & Rain / Dew)	
Corrosion Risk	Protects against corrosion under insulation.	
Chemical Resistance	Excellent. Additional Compatibility Data Available On Request.	
Fungi / Bacteria Resistance	Excellent	ASTM G21, ASTM G22
Izod Impact (1/4")	3.7 ft lb/in	ASTM D256
Tensile Strength	6.011 psi	ASTM D638
Flexural Strength	9.396 psi	ASTM D256
Surface Temperature Resistance	-20°F (-29°C) to +140°F (+60°C)	
Color	White (bright, high gloss)	
Specification Compliance	NSF/ANSI Standard 169 USDA Compliant	