

K-FLEX® CORK TAPE

Cork-Filled, Rubber-Based Insulation Tape
Thermal Performance for HVAC/R Applications



DESCRIPTION

K-FLEX® Cork Tape is a cork-filled (55% by volume), rubber-based mastic material that has a grainy, rubber-like consistency.

AVAILABILITY

K-FLEX® Cork Tape is black in color and is available in 1/8" thick by 2" wide by 30' long rolls.

APPLICATIONS

K-FLEX® Cork Tape is recommended for applications with service temperatures ranging from -20°F (-29°C) to +190°F (+88°C). The product is used to retard heat gain/loss on below-ambient to medium hot applications. It is ideal

for insulating short runs of pipes or valves and fittings where it is impractical to install tubing insulation. The tape can be applied in multiple layers to meet various service conditions.

INSTALLATION

K-FLEX® Cork Tape is flexible (even at low temperatures), durable (non-fracturing and resistant to tearing from handling and environment), safe to handle (non-dusting and non-abrasive), and lightweight for an efficient installation.

K-FLEX recommends that insulation is installed on non-operational systems with clean, dry surfaces in ambient conditions between 40°F and 100°F.

K-FLEX® Cork Tape is sufficiently soft and pliable and can be applied to all diameter pipes, fittings and connections by spiral winding (removing the release paper as the tape is wrapped). Stretching should be avoided, edges may be butted or overlapped, and seams should be sealed with proper pressure. The product adheres well to most clean, dry surfaces and to itself, making it possible to apply more than one layer without the use of adhesives. Two layers can be achieved on one pass by overlapping the previous wind by 50%. Three layers can be achieved by butting the edges together on the first wind and then following the two-layer procedure on the second wind.

PHYSICAL PROPERTIES	K-FLEX® CORK TAPE	TEST METHODS
Main Composition	Polymer-based material containing butyl rubber, asphalt, and granulated cork (55% by volume)	
Specific Gravity	75±.05	ASTM D71
Solids Content	99.8%	ASTM C771
Thermal Conductivity (Btu/Ft ² -hr-°F/in)	1.26	ASTM C177
Operating Temperature Range	-20°F (-29°C) to +190°F (+88°C)	
Water Vapor Permeability (Procedure C)	<0.21 perms	ASTM E96
Water Absorption (% by volume)	0.02%	ASTM D1056
Flash Point	>+390°F (+199°C)	
Ozone Resistance	Excellent	
Flexibility	Excellent	
Odor	Slight Odor of Asphalt	
Freight Classification	Class 55, Item #149610, NOIBN	
Elongation	50% minimum	Internal test method
Direct Tension Adhesion	12 psi minimum	ASTM C987
Peel off Force	30 N (6.75 lbs) minimum	Internal test method

