

# K-FLEX® ELASTOMERIC FOAM TAPE - ECO



## DESCRIPTION

K-FLEX® Elastomeric Foam Tape - ECO is an effective, halogen-free alternative to tubing insulation in tight areas where traditional insulation will not suffice. It is a specially designed flexible, elastomeric insulation product. It is manufactured in 1/4" thickness by 2" width by 30' length, with pressure sensitive adhesive for applying to hot or cold pipes and fittings. The factory-applied pressure-sensitive acrylic adhesive adheres firmly and forms a long-lasting bond, while the closed-cell structure of the product provides good thermal and low moisture permeability properties.

## USES

K-FLEX® Elastomeric Foam Tape - ECO is used to retard heat gain and prevent condensation or frost formation on cold water plumbing, chilled water, and refrigeration lines. It also reduces heat flow for hot water plumbing, liquid heating, and dual temperature piping. K-FLEX® Elastomeric Foam Tape - ECO 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 wraps (thickness) to meet various service conditions. As a halogen-free product, it is suitable for stainless steel applications.

## APPLICATION INSTRUCTIONS

K-FLEX® Elastomeric Foam Tape - ECO may be applied to all diameter pipes and tubes by spiral winding. Remove the release paper as the tape is spiral-wrapped around the pipe. Avoid stretching. Edges may be butted or overlapped. The seams are sealed with slight hand pressure. Surfaces to which K-FLEX® Elastomeric Foam Tape is to be applied must be dry and clean. For best results, apply at temperature above 40°F (4°C) and not on heated surfaces.

## SPECIFICATIONS

K-FLEX® Elastomeric Foam Tape - ECO is manufactured using K-FLEX ECO™ elastomeric sheet insulation and provides the same great moisture-resistant and thermal properties and protection for higher temperature range applications.

### PHYSICAL PROPERTIES

Skin Surface	Smooth, green surface for excellent appearance
Composition	Flexible, halogen-free, closed cell elastomeric insulation
Color	Green
Dimensions	1/8" (3 mm) x 2" (50 mm) x 30' (9.1 m) roll 12 rolls per master carton
Density	4-8 lb/cu. ft.
Thermal Conductivity	0.25 at 75°F, tested according to ASTM C-177
Water Absorption	0.10 lbs./cut surface area, ASTM 1667
Water Vapor Permeability	0.10 perms-in (dry cup) ASTM E96
Flammability Characteristics	ASTM E 84 25/50 Rated
Temperature Limits	-40°F (-40°C) to 200°F (93°C)
Freight Classification	Tape, insulation, NOIBN. No label required

### THICKNESS RECOMMENDATIONS - TO CONTROL CONDENSATION

Air Temperature and Relative Humidity	Pipe Temp	
	50°F (10°C)	32°F (0°C)
77°F (25°C)/50% RH	Single Layer	2 Layers
85°F (29°C)/70% RH	3 Layers	4 Layers

**NOTE:** Thickness recommendations calculated using 0.2575 K-factor (0.25 plus 3% test error allowance)



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KFDS-0099-0911