



**K-FLEX USA**  
INNOVATION IN INSULATION

PLUMBING

HVAC/R

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MARINE

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# INSTALLATION GUIDE

for K-FIT® Prefabricated Grooved Fittings



Contains a Protective  
Antimicrobial Agent



# Installation Instructions

K-FIT® prefabricated fittings are an innovative solution to insulate grooved pipes.

For grooved pipes up to 4" IPS, K-FIT® Grooved Fittings are a segmented 2-piece construction design.

K-FIT® Fittings over 4" IPS are designed as a semi-finished Butterfly Design. The grooved fittings are composed of an inner layer, an outer layer, and 2 donuts that fit over the pipe and insert into the outer layer - extending over the coupling. Installation is as easy as 1-2-3! Slit, apply to pipe, then secure seams.

**Note:** When using contact adhesives, be sure to:

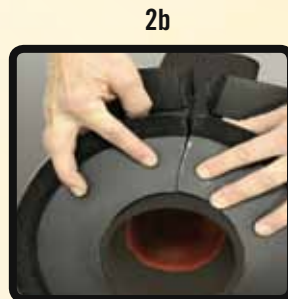
- a. Use contact adhesives in well ventilated areas.
- b. Keep containers closed when not in use.
- c. Stir thoroughly.
- d. Apply with brush or convenient pressure can dispenser.
- e. Apply a thin uniform coat on both surfaces to be adhered.
- f. Apply adhesives from the inside out to avoid excessive adhesives on outer surface.
- g. Allow adhesives to become tacky - solvents to evaporate.
- h. Apply uniform pressure to seam - working from the ends to the center.
- i. Clean up with mineral spirits.
- j. Store adhesives away from heat and any open flame.
- k. Keep working area neat and clean. Avoid spills.

## 4" IPS GROOVED PIPE AND UNDER



**STEP 1a:** Apply the inner layer (wedge) to the pipe.

**STEP 1b:** Apply contact adhesive to seam and push together to secure layer to pipe.



**STEP 2a:** Slit the fitting (fitting will be slit along the inside radius of the seam and the donut ends) and apply contact adhesive to the slit areas (be careful to make sure they do not touch).

**STEP 2b:** Wrap fitting and donut ends around pipe.

**STEP 2c:** Push seams together to secure fitting to pipe.

**STEP 2d:** Final product.

Note: T's and 45's are installed in a similar fashion.

## GROOVED (45'S + 90'S) PIPES OVER 4" IPS GROOVED PIPE

1a



1b



**STEP 1a:** Apply contact adhesive to small ends of inner wedge layer.

**STEP 1b:** Wrap inner layer around pipe and push together small ends (seam) to secure the layer to the pipe.

2a



2b



**STEP 2a:** Slit donut and apply adhesive in the slit area (make sure ends do not touch).

**STEP 2b:** Wrap the donut around the pipe and push together glued sides to secure the donut to the pipe. Repeat steps with second donut.

3a



**STEP 3a:** Apply adhesive to inside edge of outer layer of the butterfly section. Apply adhesive to small ends of outer layer. Apply adhesive to outer edge of donut. Allow adhesive to become tacky.

**STEP 3b:** Apply outer butterfly layer to pipe and donut, aligning all edges.

**STEP 3c:** Secure seams with pressure.

**STEP 3d:** Final product.

Note: The 2 layers are not adhered to each other.

3b



3c



3d





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## ABOUT US

K-FLEX USA is leading the market in innovative, elastomeric, closed-cell foam insulation. We ensure our customers' satisfaction by providing superior products with a systematic approach.

## OUR MISSION STATEMENT

K-FLEX USA's mission is to drive the growth and innovation of the North American elastomeric insulation market through a commitment to:

- Our customers - by providing reliable, sustainable, and easy-to-use products.
- Our associates - by empowering them and providing them with a safe, secure, and rewarding work environment.
- Our community and the environment - by being a socially responsible corporate citizen.



## K-FLEX USA

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