

# DUCT WRAPS - RECTANGULAR K-FLEX® SHEETS & K-FLEX CLAD®



**NOTE:** Insulation used on outdoor duct work would require protection from mechanical abuse and UV resistance, i.e. K-FLEX® 374 Coating, jacketing, or cladding. For outdoor applications, using K-FLEX CLAD® Sheet with PSA allows for faster installation and eliminates odors from contact adhesive fumes. K-FLEX CLAD® is dent-resistant and easier to use than metal and doesn't require metal brakes or tin snips.

**For horizontal ducts, create a pitch (as illustrated by the system designer) to prevent water from ponding on top of the duct. For applications subject to heavy moisture, such as wash down areas, K-FLEX recommends caulking all seams. Call K-FLEX technical support for more information.**

Reference "Practical Tips" on page 12-13 for all applications. For more information, reference *Technical Bulletins* at [www.klfexusa.com](http://www.klfexusa.com).



## CUTTING INSTRUCTIONS

**STEP 1:** Cut the bottom piece first, making it flush with the edge.

**STEP 2:** Cut both side pieces to overlap bottom section of insulation and keep flush with top of duct.

**STEP 3:** Cut the top piece so that it extends over the side pieces to create a watershed.

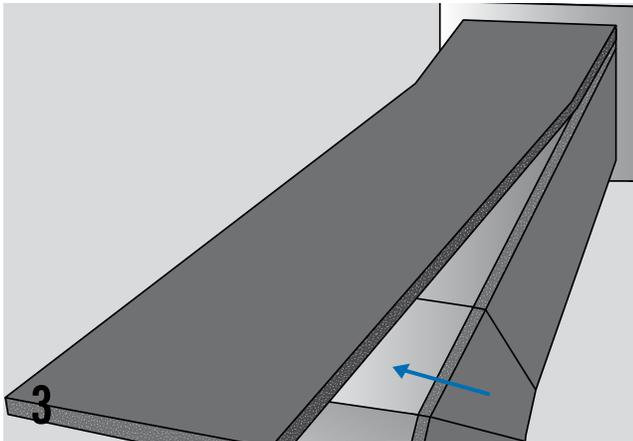
## K-FLEX® SHEET S2S OR K-FLEX CLAD®

**1**

Thoroughly clean the surface to be insulated. Insulation is not recommended where there is incrustation or other flaws that could prevent the sheet from sticking perfectly.

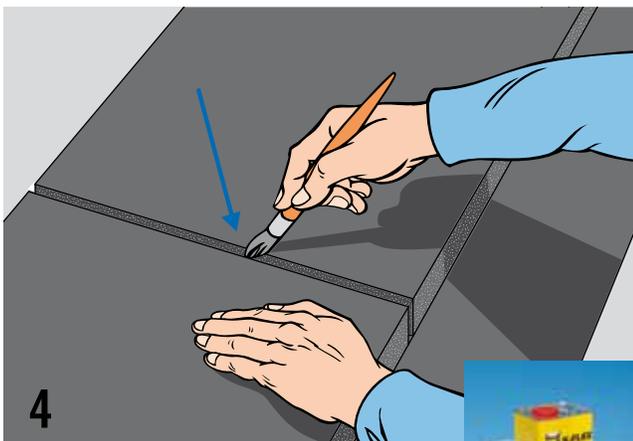
**2**

Mark the measurements of the surfaces to be insulated on the sheet and cut the required size out of the roll. **See Cutting Instructions.**



Apply K-FLEX® Contact Adhesive to the surface that has to adhere to the conduit and to the conduit surface.

In the example given, for the best results we recommend first insulating the lower surface of the conduit, then the side walls and lastly the top. This will prevent the penetration of humidity.



Use K-FLEX® Contact Adhesive to join the edges together.

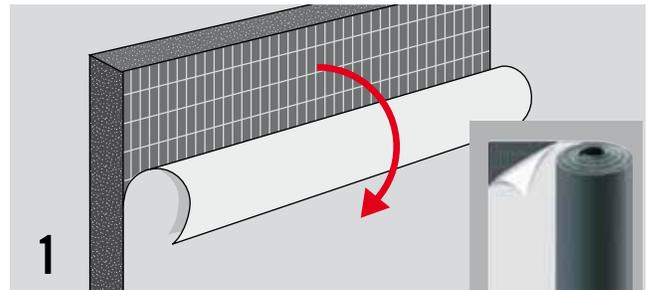
**\*NOTE:** If using K-FLEX CLAD®, finish up by applying K-FLEX CLAD® Tape over all seams and unfinished edges to prevent water intrusion. Use a 2" wide tape for all seams and wider tape for edges and corners, folded to cover both sides (see chart for recommended sizes). Go over tape with a plastic squeegee to eliminate wrinkles and air pockets.

**Recommended tape sizes for edges and corners vary depending on thickness of insulation used:**

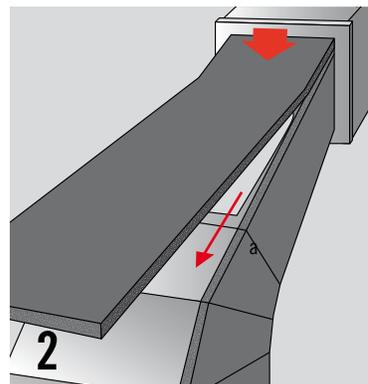
INSULATION THICKNESS	TAPE WIDTH
½"	4"
1"	6"
1-1/2"	6"
2"	6"

Note: K-FLEX® Elastomeric Foam Tape, K-FLEX CLAD® Tape - AL, and K-FLEX CLAD® Tape - WT are available.

**K-FLEX® SHEET WITH PSA OR K-FLEX CLAD®**

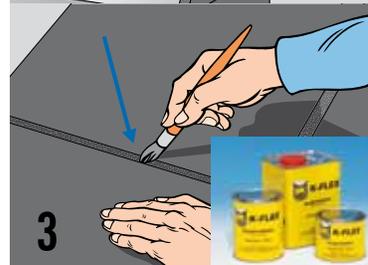


Using self-adhesive sheets, carry out the same cleaning and cutting procedures as indicated for standard sheets. The backing paper must be removed from the adhesive side before sticking it to the conduit surface. Start by pinching the foam and peeling back liner 1-2".



Position the uncovered edge at the starting point. Pull the backing paper off gradually, pressing the material down evenly as you go.

In the example given, K-FLEX recommends first insulating the lower surface of the conduit, then the side walls and lastly the top. This will prevent the penetration of humidity.



Use K-FLEX® Contact Adhesive to join the edges together.