



# K-FLEX USA

INNOVATION IN INSULATION

PLUMBING

HVAC/R

COMMERCIAL/INDUSTRIAL

MARINE

OIL&GAS

SOLAR

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# INSTALLATION GUIDE

## K-FLEX CLAD® WT NS (NON-SLIT)

For Slide-On Applications



Contains a Protective  
Antimicrobial Agent



## About K-Flex CLAD® WT NS (Non-Slit)

**K-FLEX CLAD® WT NON-SLIT** combines a flexible elastomeric tube insulation with an attractive white-finish clad covering that is moisture and mold resistant, abuse resistant, and has low VOC content. The product is sold in 3 ft. lengths non-slit for slide-on application. By eliminating a field-applied longitudinal seam, it provides a better moisture vapor barrier.

The white finish is ideal for indoor or outdoor applications where piping systems are exposed and the ability to clean and the appearance are important. K-Flex Clad® WT NS is easy to install and can be used in a variety of applications including: rooftops, food processing plants, supermarkets, pharmaceuticals, film processing, electronics and other clean room applications.

For more information, please consult our technical data sheet.

**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.

## Installation Instructions K-Flex CLAD® WT NS (Non-Slit) – Insulating HVAC/R Systems For Slide-On Applications

**BEFORE YOU START**, thoroughly clean pipe to rid surface of dirt, grease and oil. Lay out insulation materials in a clean area.



**STEP 1:** Slide tubing down pipe. Tubing will slide down with ease as the I.D. is designed to be slightly larger than the corresponding copper pipe. Slide all tubing onto pipe, leaving 1-2" in between sections to allow for adhesive application.



**STEP 2:** Rotate all tubes so seam is facing down away from excess UV exposure and abuse.



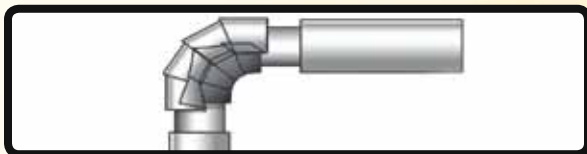
**STEP 3:** To seal butt seams, apply appropriate K-Flex® Contact Adhesive\* on complete elastomeric surface perimeter on both ends of tubing. Allow adhesive to become tacky and apply pressure by pushing tubing together to maintain vapor barrier and appearance.

**Repeat this step for all connecting tubes.**



**STEP 4:** Apply K-Flex CLAD® WT Tape (tape strips included in box) to all butt seams after they have been sealed with contact adhesive. Align the tape with the longitudinal overlap seam, make sure tape is lined up straight and wrap the tape around the entire tube, applying pressure as you remove the PSA release liner to create a water-tight application. **Note:** The K-Flex CLAD® WT butt strip should be centered so that it overlaps the O.D. ends of both adjoining pipes.

**Repeat this step for all connecting tubes.**



**STEP 5:** For fittings, K-Fit™ Prefabricated Fittings can be used in combination with the pre-formed K-Flex CLAD® WT jacket covers to complete any fitting section needed.

- a. First, apply K-Fit™ fitting to pipe.
- b. Close seam of K-Fit™ fitting with K-Flex® Contact Adhesive.\* Seal butt joints of elastomeric fittings and adjacent K-Flex Clad® tubular insulation per step 3.
- c. Apply K-Flex CLAD® WT fitting and seal the seam with attached PSA.
- d. Apply K-Flex CLAD® WT Tape (butt strip) to seal the longitudinal WT Clad fitting seam.
- e. To finish the butt joint between the fitting and the straight section of insulation, wrap the K-Flex CLAD® WT Tape around the end of the section to be joined. Reference step 4 for tape application instructions.

\* For LEED-certified buildings, use K-Flex® 720 LVOC Contact Adhesive.



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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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