

INSTALLATION RECOMMENDATIONS FOR K-FLEX CLAD[®] AL AND WT SHEET AND ROLLS

K-Flex CLAD[®] AL and CLAD[®] WT consist of CLAD[®] AL or CLAD[®] WT jacketing factory-applied over K-Flex Insul-Tube or Insul-Sheet. K-Flex CLAD[®] AL and CLAD[®] WT sheets are available in 3' X 4' sheets and 4' wide rolls in thicknesses up to 2" or with an optional peel and stick pressure sensitive adhesive (PSA) backing in thicknesses up to 1-1/2". Factory applied jacketing reduces installation time and the PSA option speeds up installation and ensures uniformity and 100% adhesive coverage.

K-Flex CLAD[®] AL and CLAD[®] WT are ideal for installation on tanks, vessels, duct work and large diameter pipes.

K-Flex CLAD[®] AL jacketing is comprised of an aluminum foil backed by a plastic layer with a total thickness of 0.012 inches. The construction of this laminate makes it highly dent, puncture and tear resistant as well as providing a permeability of 0.001 perms. It has a UV resistant surface film, making it ideal for outdoor applications and providing a virtually maintenance free installation. CLAD[®] AL is ASTM E84 25/450 rated. Review all applicable code requirements before installing CLAD[®] AL indoors.

K-Flex CLAD[®] WT jacketing is comprised of a PVC backing, aluminum foil and UV stabilized white polyester facing laminate with a total thickness of 0.012 inches. It provides excellent damage resistance and a water vapor permeability of 0.001 perms. CLAD[®] WT is ASTM E84 25/50 rated.

K-Flex CLAD[®] AL and CLAD[®] WT jacketing are also available factory applied to K-Flex ECO tubes and sheet.

K-Flex CLAD[®] AL and CLAD[®] WT jacketing only are available in 48 inch wide rolls with or without pressure sensitive adhesive (PSA) backing for field installation over K-Flex elastomeric sheet insulation products.

Installation of CLAD[®] AL or WT with PSA is a one step process. Peel and stick – using an approved contact adhesive on the butt joints (see TA 14) and applying 2" or 4" wide CLAD[®] AL or WT Tape over the joints. For optimum performance, the edges of the tape can be sealed using a high quality silicone caulking. Caulking is recommended where ponded water or seams that can not shed water are anticipated or in wash down applications. When insulating rectangular duct, fabricate sheets to form a "water shed" by overlapping the top section over the side panels. Always cut sheet oversized (1/8") and compression fit to eliminate gaps and assure a proper fit. Any cut edges where the insulation is exposed should be covered with 4" wide CLAD[®] AL or WT Tape. Fabricating a pitch on horizontal surfaces to shed water is recommended. Wrapping CLAD[®] AL or WT around the corners of rectangular ducts is not recommended.

An optional method of creating the butt overlap is to carefully remove a strip of insulation, leaving a "flap" of CLAD[®] AL or WT intact. The flap should be a minimum 2 inches wide for tanks, pipes or vessels, and a minimum 2 inches wider than the insulation thickness for duct work. The butt joint and flap should be glued to the adjoining section of CLAD[®] AL, with the flaps oriented to shed water.

When double layering insulation to achieve thicknesses greater than 2 inches, always stagger the seams. Do not use sheet with PSA for the base layer when the total insulation thickness will exceed 1-1/2 inches.



Mechanical attachment can be used in addition to contact adhesive or PSA for optimum long term performance. Fastener heads should be covered with a double layer of CLAD[®] AL or WT Tape. More detailed installation instructions can be found in the K-Flex USA INSTALLATION MANUAL.

CLAD[®] AL and WT reduce materials needed at the job site, speed up installation, eliminate painting / coatings and reduce long term maintenance costs.