

## INSULATING DIFFICULT SHAPES WITH K-FLEX ELASTOMERIC INSULATION

One of the benefits of using K-Flex flexible closed cell foam insulation is its ability to be easily cut and fabricated on site. Insulating difficult shaped objects i.e. valves, fittings, pipe hangers, struts, even standard grooved pipe fittings can prove to be daunting for the insulation contractor.

Often, the easiest way to insulate a difficult shape is to fabricate a “box” around it creating a large sealed “envelope” around the item being insulated. The key to this method of insulating is to be sure to seal all the seams. This can be easily accomplished by making straight cuts during the fabrication and sealing the seams with K-Flex contact adhesive. The small air pockets trapped in the “envelope” will not create any issue with condensation. The key is to be sure to seal all the seams, including any insulation termination points so ambient air with moisture cannot enter the envelope. For added protection on below ambient systems, vapor dams can be created by adhering the insulation on either side of the object to the pipe.

Since K-Flex elastomeric insulation is a closed cell foam material exhibiting low moisture permeability properties (< 0.03 perm-in.) throughout the material, any exposed cut edge of the insulation exhibits the same properties and does not require any special treatment such as “buttering” with adhesive.

Note: Any object exposed to an outdoor environment (UV / weathering) should be protected with a coating or jacketing appropriate for the conditions.