

AP Coilflex Duct Liner Installation instructions

- **The temperature of the air and the insulation should be between 40 degrees F and 100 degrees F at the time of the installation. The surface to be insulated must be clean and free of any loose particles or other debris such as rust.**
- **Prepare the surface of the sheet metal by thoroughly cleaning the entire surface with denatured alcohol. This must be done even for new sheet metal in order to remove all of the oil residue off the surface.**
- **Always use a sharp, non serrated edge knife when making cuts and a straightedge. This will allow for even edge cuts on all seams preventing possible gaps.**
- **Start by measuring the sheet metal being insulated and transfer this measurement to the AP Coilflex. Be certain to add a minimum of 1/4" to the measurement for a compression fit.**
- **Using a sharp, non serrated edge knife, cut the AP Coilflex to the desired length to fit the sheet metal section.**
- **Apply water based adhesive, 520 Adhesive or Low VOC Spray Adhesive to the flat metal surface and also to the precut piece of AP Coilflex.**
- **Start at one edge of the AP Coilflex precut piece, evenly line up with the edge of the metal and adhere the piece. Continue down app. 3/4 of the way then go to the other edge and be certain to line up evenly, then push the balance of the AP Coilflex down onto the duct. Apply smooth, even pressure along the entire surface to insure full adhesion.**
- **If water based adhesive is used, you must follow all application instructions for that product. Be certain to use retaining pins on the insulation whenever this adhesive is used - follow proper pin spacing per SMACNA guidelines.**
- **When using 520 Adhesive, or Armacell's Low VOC Spray Adhesive, the use of retaining pins is not required. You must follow all the proper application instructions for the product used in order to prevent failures.**
- **Fabricate templates for all the fittings, and transition pieces, by tracing the metal fitting onto a piece of cardboard, when following the pattern, allow the**



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¼” extra for the compression fit, then transfer the pattern to the AP Coilflex , and cut out with a sharp, non serrated knife, and adhere the AP Coilflex onto the fitting piece.

- **When the installation is complete, all adjoining edges must be installed under compression fit, no visible signs of gaps, or voids should be present.**
- **Do not deviate from above instructions in order to insure a proper AP Coilflex Duct Liner installation, critical points to highlight; use only a non serrated edge knife, and sharpen as needed to insure clean edges. Clean entire surface area prior to installing insulation. All adjoining edges, seams must be installed under compression fit method, in order to prevent any gaps. Be certain to apply firm, even pressure to entire surface, to attain full adhesion.**

Date Written: 11/12/13