



## ALUMAGUARD LT™

LOW TEMPERATURE

### Installation Recommendations

Ducts **must** be sealed in accordance with **SMACNA HVAC Duct Construction Standards Metal and Flexible - Second Edition (1995) Seal Class A** prior to insulation of **ALUMAGUARD™ LT**

*Alumaguard LT* solves the problem of installing a rubberized asphalt product in cold temperatures. We created a hybrid product by combining *Alumaguard Lite* with our standard *Alumaguard* to create a self healing product which would install in low temperatures without the use of a solvent based activator or heat gun.

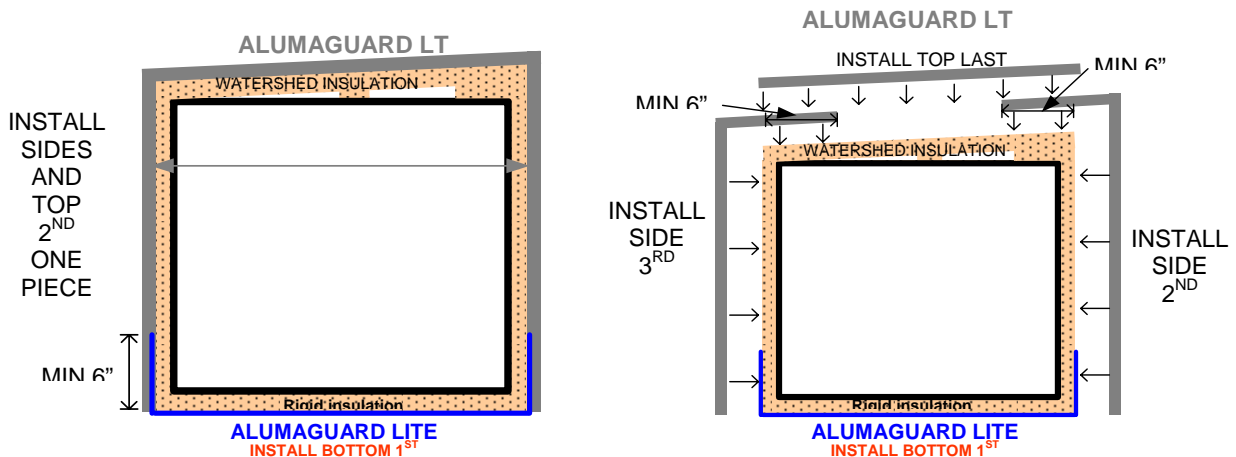
The introduction of *Alumaguard Lite* makes it unnecessary to pin through the membrane on the bottom of duct. The weight and construction of *Alumaguard Lite* does not require mechanical support.

Hot and cold air ducts should be installed in the following manner to maintain proper vapor barrier and physical integrity; the board insulation should be mechanically installed on properly sealed duct according to the engineer's specification using insulation fasteners (mini-cup weld pins or perf. based pins and washers). Insulation on the top of the ductwork *should be* installed in such a manner as to allow for 'water shed' from the top of the duct to prevent water from 'ponding'.

*Polyguard* recommends our *Alumaguard LT* system be installed according to one of the following procedures;

- Cut one piece of *Alumaguard Lite* to cover the underside of the duct and up 6" on each side
  - Cut two *Alumaguard LT* side pieces to fit from the bottom corner of the duct up over the top of the duct, lap over the top 6", **DO NOT FOLD A LAP UNDER THE DUCT**
  - Cut the final piece of *Alumaguard LT* to cover the top, trim it flush with the top corners
- OR:**
- Cut one piece of *Alumaguard Lite* to cover the underside of the duct and up 6" on each side
  - Start at the bottom corner of one side with *Alumaguard LT*; go up over the top, then down the other side cutting it flush with the bottom.

Roll the *Alumaguard LT* as you remove the release film with a laminate roller to insure adhesion and lessen wrinkling



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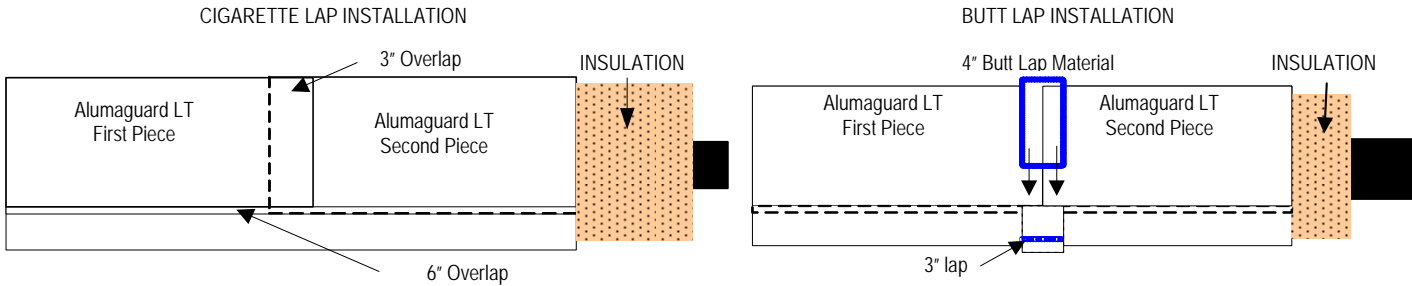
This information is based on our best knowledge, but  
 POLYGUARD cannot guarantee the results to be obtained.



**Do not terminate a lap on the bottom of the duct!**

**Alumaguard LT** must be protected from damaging chemicals; rubberized bitumen can be 'solvated' when exposed to chemical, petroleum, or coal tar based compounds. If you are unsure of the materials you will be subjecting our product to, please feel free to call us at 1-800-541-4994 for more information. Store **Alumaguard** in a warm dry place prior to installation. For specific installation recommendations please call us for detail drawings as you require them.

**Alumaguard LT** is not recommended for a sub-zero cold piping systems; acrylic adhesive's properties do not facilitate for pipe movement during expansion and contraction periods. Standard **Alumaguard** should be used on ammonia and similar systems.



Factory installed, each piece should be cut to allow a 3-6" lap over the circumferential lap. Install tightly around the pipe insulation, rolling with a laminate roller or other firm "rolling pin" type roller to insure contact with the substrate and a 4" wide butt lap placed over the joint and rolled with a roller. The butt lap should start where the circumferential lap ends, wrapping around the pipe, and then lapping over 6" past the starting point. Installation can also be a cigarette wrap method using a 3" longitudinal lap and the same 6" circumferential lap. Install the first **Alumaguard LT** piece over the insulation with a 6" lap terminated at the 4 o'clock position. Install the second piece of **Alumaguard LT** with 3" overlapped onto the previous piece of **Alumaguard LT**.

**NOTE:** Care should be taken when using **Alumaguard LT** on a hot system, insure that the surface temperatures after insulation do not exceed our upper use limitations. It is important to note that heat transfer through single layer joint seams could result in the softening or melting of the rubberized asphalt compound.

Fittings, 90's, tee, valves, and 45's can be laid out using standard sheet metal methods, modified to allow for overlap. This can be accomplished by adding to the throat and heel of the fittings. The bottom piece is installed first, and then the top piece lapped over the bottom piece to permit water shedding over the lap. Fittings can also be 'gored', over sizing each gore piece to allow for a lap onto the preceding piece. Installers can also use standard metal fitting covers with the **Alumaguard** products. Care must be used to insure that the fittings are vapor sealed! Standard metal stamped fittings can be used with **Alumaguard** products.

**NOTE: ALUMAGUARD Low Temp IS NOT TO BE USED AS A MECHANICAL FASTENER!** Insulation must be installed (tape or bands) according to the manufacturers instruction. If **ALUMAGUARD** is pre-applied to pipe cover, it **MUST BE BANDED** when installed. **DO NOT PAINT ALUMAGUARD!**

