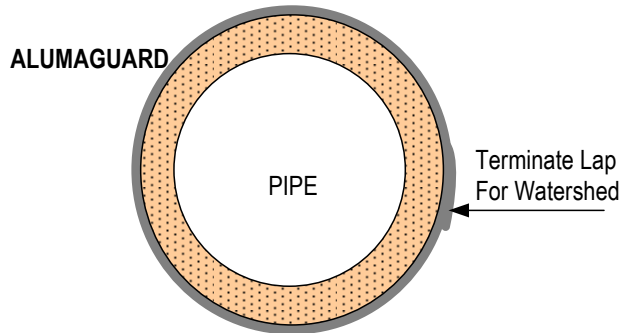


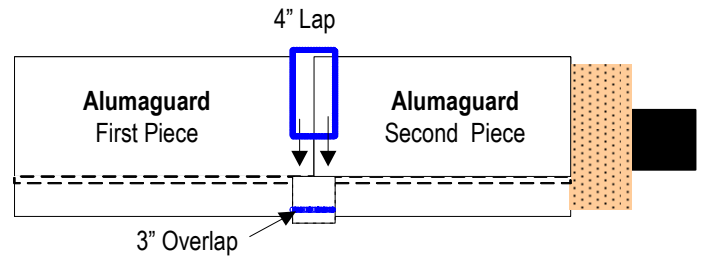


## ALUMAGUARD®, ALUMAGUARD® LITE, ALUMAGUARD® ALL-WEATHER Installation Recommendations for Pipe Applications

Unless noted, the details below apply to all three products in the Alumaguard family:  
Alumaguard, Alumaguard Lite and Alumaguard All-Weather.



### BUTT LAP INSTALLATION



**Alumaguard®** products are excellent for use in cold piping jacketing systems; superior to metal or PVC in performance. Although all three **Alumaguard** products can be used in these applications the following recommendations apply:

On ammonia and glycol applications, where expansion and contraction of the pipe may exist, use **Alumaguard** because of its thick layer of rubberized asphalt which can accommodate movement.

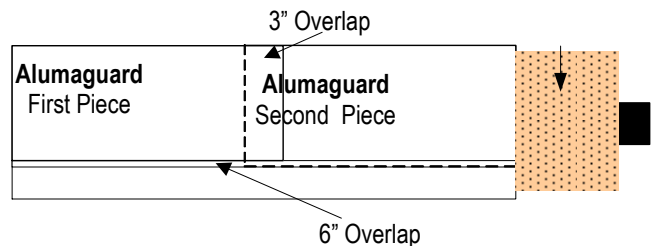
For installation below 50°F, **Alumaguard Lite** and **Alumaguard All-Weather** are recommended.

On systems where heavy abuse is likely, use **Alumaguard** or **Alumaguard All-Weather** where the self-healing characteristics of rubberized asphalt are important.

Cold piping systems jacketed with **Alumaguard** products should be installed in the following manner; the "stretch out" for each piece should be cut to allow a 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. Each piece should be within 1-1/2" of the previous piece 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.

**Alumaguard products are not to be used as mechanical fasteners. Insulation should be installed with strapping or banding according to manufacturers instruction.**

**NOTE:** Care should be taken when using **Alumaguard®** products on hot systems to 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.



Install the first **Alumaguard** piece over the insulation with a 6" lap terminated at the 4 o'clock position. Install the second piece of **Alumaguard** with 3" overlapped onto the previous piece of **Alumaguard**. The circumferential laps should all line up at the 4 O'clock position to shed water. Roll the surface with a laminate roller or other firm "rolling pin" type roller to insure contact with the substrate. Insulated piping exceeding 12" outside diameter requires the use of banding on **Alumaguard**. Fittings, 90's, tees, 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. Tees, valves and other fittings can be fabricated just like you would use standard layout procedures, either two piece or gored fittings, simple add for the overlap. 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!

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**NOTE: ALUMAGUARD 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 BEFORE READING OUR SHEET, it can void your warranty!**

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



Polyguard is ISO 9001 certified since 1995.