

ALUMAGUARD LITE

VAPOR BARRIER PROTECTION

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®**.



The introduction of **ALUMAGUARD LITE** makes it unnecessary to pin through the membrane on the bottom of duct. This will prevent Alumaguard from sagging on the bottom of a duct. **DO NOT INSTALL ALUMAGUARD LITE ON THE ENTIRE DUCT!**

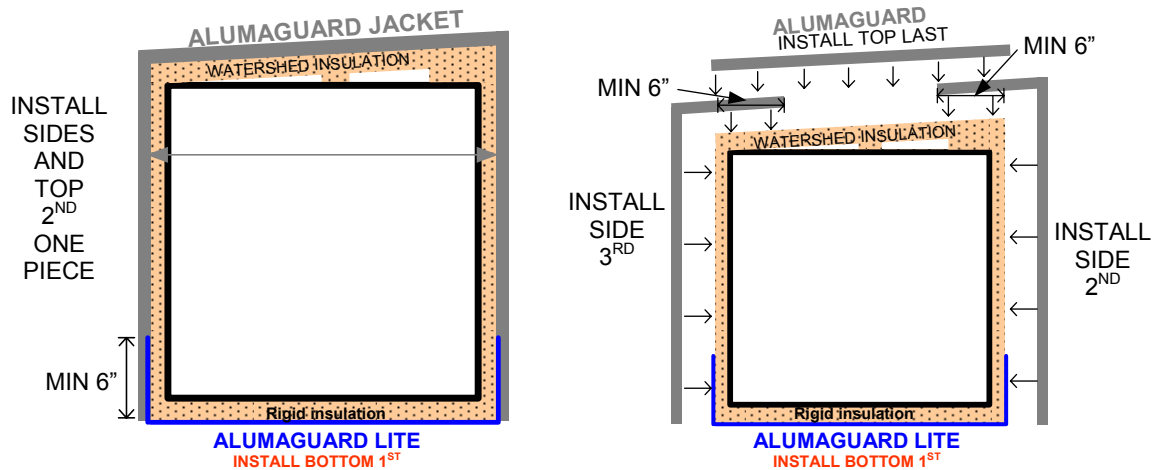
Hot and cold air ducts should be installed the board insulation should be mechanically installed according to the manufacturer's instruction, the top of the ductwork *should* be installed in such a manner as to allow for 'water shed' from the top of the duct to prevent water from 'ponding'.

Polyguard recommends faced rigid foam insulation for a smooth look, less seams, and superior R-Value per inch. Extruded polystyrene with foil facing is an excellent choice.

Polyguard does not recommend any thin membrane to be installed on an entire duct.

Alumaguard Lite is designed to be installed first on the bottom of the duct as shown below, and Alumaguard with its self-healing properties to be installed on the sides and top of the duct. **DO NOT** lap the Alumaguard under the duct, cut it off flush with the bottom corner of the duct.

Alumaguard Lite is an excellent product for all indoor vapor proofing systems; chilled water systems, ammonia systems, glycol and brine systems. It is a 25/50 product with excellent strength and vapor retarding properties.



When installing **ALUMAGUARD** in temperatures below 50° F, Polyguard's Cold Weather Activator or a heat gun must be used to ensure adhesion of **ALUMAGUARD**. (Please refer to our "Cold Weather Installation" instruction sheet)

ALUMAGUARD must be protected from damaging chemicals; being rubberized bitumen, we will be 'solvated' when exposed to 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.

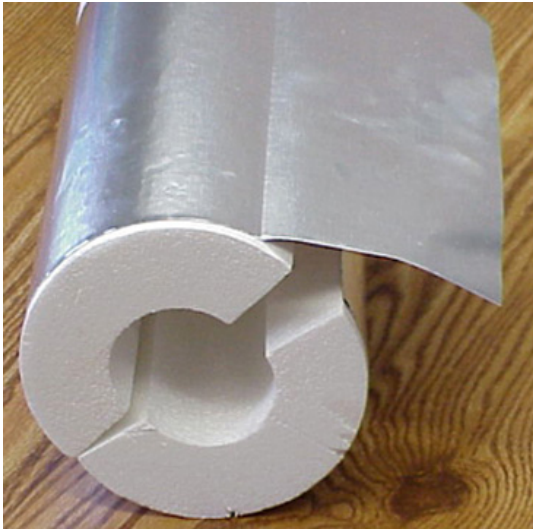


www.polyguardproducts.com
214-515-5000



- American Natl. Standards Institute
- Dutch Council for Certification
- Deutscher Akkreditierungs Rat

SPECIFICATIONS



USES:

Ammonia Refrigeration Piping
Brine Piping
Glycol Piping
Chilled Water Piping
Exterior Duct Work (Bottom)
Interior Duct Work
LnG Piping
Process Piping
Tanks & Vessels
Freezers

TECHNICAL:

Property	Test Method used	Results
Peel adhesion **	ASTM D-903	11.5# lb _F /in
Low temp. Adhesion	Polyguard Method	1.11 lb _F /in 24 F 74 % RH
WVTR (gr/100 in ² 24hrs 100° F 90%RH)	ASTM E-96-E	.01
Tear Strength	ASTM D-624	8.5 #
Puncture resistance	ASTM E-154	8308 grams
Tensile Strength	ASTM D- 412	4385 psi
Elongation at Break	ASTM D-882	367%
Overlap bond to PE	ASTM D-1000	1.7 lb _F /in
Overlap bond	ASTM D-1000	1.8 lb _F /in
Thickness of membrane		8.6 mils
Thickness of release film		4.4 mils
200 F curl test	Polyguard Method	No curl after 2 hours
Flame Smoke	ASTM E-84	MEETS 25/50