



ALUMAGUARD™ LT

Ducts **must** be sealed in accordance with **SMACNA HVAC Duct Construction Standards Metal and Flexible - Second Edition (2006) Seal Class A** prior to insulation of **ALUMAGUARD™**.

The introduction of **Alumaguard™ LT** is the perfect product evolution for installation during the cold winter months. **Alumaguard's** rubberized asphalt loses tack as the temperature drops. Installation of **Alumaguard™** below 50°F in the past required the application of a solvent based activator to the substrate prior to installing **Alumaguard™**.

We developed a metalized PET film and applied a low temperature acrylic adhesive to the metalized surface, then laminated **Alumaguard™** to the top of the film. We created a low temperature product without diminishing any of the great advantages of **Alumaguard™**, such as it's ability to self-heal.

Furthermore, the introduction of **Alumaguard™ Lite** for the bottom of the ducts eliminates the need to pin through the **Alumaguard™** to the bottom of the duct. We do not recommend Alumaguard Lite on an entire exterior duct system. If the specification calls for a non-asphaltic vapor and weather barrier, Polyguard's new ZeroPerm™ Ultra is the product you would use.



Alumaguard™ has been in service on thousands of ducts and piping systems around the world for over ten years; proving that a peel and stick, self-healing membrane is the perfect waterproofing system for exterior insulated systems, whether they are exterior ductwork, chilled water piping, or ammonia refrigeration piping. You can request job referrals for projects over almost any type of insulation; we've been applied over all commonly used industry types.

The introduction of **ALUMAGUARD™ LT** and **ALUMAGUARD™ LITE** products gives owners, specifiers and contractors many options for any type of project.

Complete installation instructions are available on our website, or by calling us.

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



**ALUMAGUARD™ LT is not, and should not, be used as a mechanical fastener.
Band or pin insulation as needed.**

ALUMAGUARD™ LT TECHNICAL PROPERTIES & TESTING

Membrane Property	ASTM Test Method #	Typical Results <i>Alumaguard™LT</i>						
Water Vapor Transmission [grains/(hr-ft ²)]	E 96-00	0.0002						
Permeance (US Perms)	E 96-00	0.0013						
Water Vapor Transmission [grains/(hr-ft ²) Compound Only	E 96-00	0.0012						
Permeance (US Perms) Compound Only	E 96-00	0.035						
Peel Adhesion (to primed steel)	D 1000	> 7 LB/In Width						
Elongation at Break	D 882	400%						
Low Temperature Pliability	D 146 (modified)	No Cracks @ -15°F						
Low Temperature Pliability	D 146 (modified)	No Crack @ -31°F						
Tensile Strength Backing	D 882 (Method B)	5000 PSI						
Puncture Resistance Backing	E 154	> 40 LBS						
Fungus Resistance Membrane	G 21-90	0 Growth						
Upper Temperature Limit	LAB	160°F						
Specialized Testing								
Overlap Bond Aging Test: (Lbs/1")								
Bond to itself (after 2 hours UV exposed)	D 1000	5.8						
Bond to itself (after 3 days UV exposed)	D 1000	8.2						
Cold Weather Peel Adhesion								
Peel Adhesion (overlap bond) @ -15° F	D 1000	5.8						
Peel Adhesion (overlap bond) @ -31.5° F	D 1000	8.2						
Standard Roll Size								
Roll Size (in x ft)	Roll Size (CM x M)	Typical Thickness	Rolls per Ctn	Ctns per Pallet	Sq Ft per Roll	Sq M per Roll	Typical lbs per Ctn	Typical Kg per Ctn
36" X 75'	91.4 X 22.9	33 mils	1	36	225	20.9	50	22.7