



ALUMAGUARD™ LT

For Installation In Low Temperature...

Alumaguard™ LT is the perfect product evolution (and solution) of **Polyguard's** rubberized asphalt products during cold months. Standard **Alumaguard's** rubberized asphalt loses tack as the temperature drops, it is the nature of rubber and asphalt. 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 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 its ability to self-heal when cut or punctured and it's UV stability.

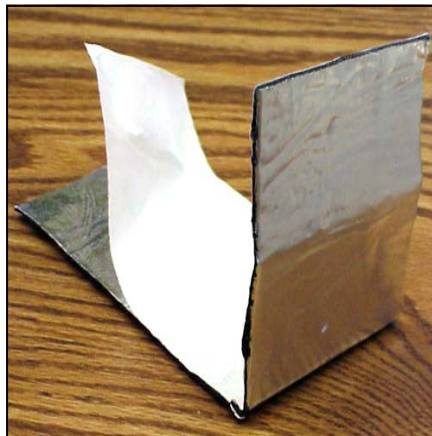
Our standard **Alumaguard™** product has been in service on thousands of ducts and piping systems around the world for over twelve years; proving that a peel and stick, self-healing membrane is the perfect waterproofing system for exterior insulated systems, whether it is exterior ductwork or a piping system. You can request job referrals for projects over almost any type of insulation; we've been applied over all common industry types.

The **ALUMAGUARD™**, **ALUMAGUARD™ LT** and **ALUMAGUARD™ LITE** family of products give owners, specifiers and contractors premium products for any type of project.



Houston, TX 2008

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



P.O. Box 755
Ennis, TX 75120
PH: (214) 515-5000
FX: (972) 875-9425

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



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 ANY **ALUMAGUARD™** PRODUCT.

ALUMAGUARD™ LT is not and should not be used as a mechanical fastener, install insulation according to manufactures recommendations.

ALUMAGUARD™ LT

TECHNICAL PROPERTIES & TESTING

Minimum Application Temperature Range @ 10°F

Membrane Property	ASTM Test Method #	Typical Results Alumaguard™LT						
Water Vapor Transmission [grains/(hr-ft ²)]	E 96-00	0.00						
Permeance (US Perms)	E 96-00	0.00						
Water Vapor Transmission [grains/(hr-ft ²)] Compound Only	E 96-00	0.00						
Permeance (US Perms) Compound Only	E 96-00	0.035						
Peel Adhesion (to primed steel)	D 1000	16.2 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 Cracks @ -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	150°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