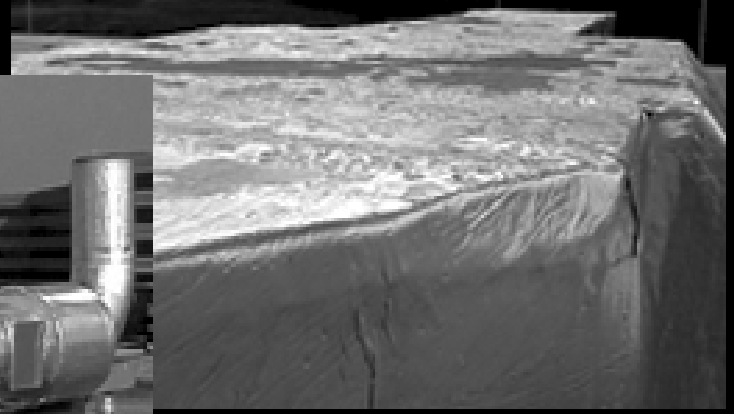


Alumaguard 60™



Everything
you want in
an exterior
jacketing
system



Weather
Barrier
Vapor
Barrier
Sound
Attenuation
Peel-N-Stick
Self-Healing



Alumaguard 60™

Technical Information

Alumaguard 60™ is a specialty rubberized bitumen membrane designed specifically to be installed over insulation on exterior ductwork, refrigeration piping, chilled water piping, tanks, vessels, and equipment. The membrane is 'peel and stick', self-healing if punctured, UV stable, and will expand and contract with the mechanical system. The membrane has excellent emissivity and sound attenuation properties.

Alumaguard 60 is not, and should not, be used as a mechanical fastener. Band or pin insulation as needed.

Technical Properties & Testing

Membrane Property	ASTM Test Method #	Typical Results
		Alumaguard 60™
Total Product Thickness	D 1000	.060"
Water Vapor Transmission [grains/(hr-ft²)]	E 96-00	0.0022
Permeance (US perms)	E 96-00	0.0053
Water Vapor Transmission [grains/(hr-ft ²)] Compound Only	E 96-00	0.012
Permeance (US perms) Compound Only	E 96-00	0.035
Peel Adhesion (to primed steel)	D 1000	> 12 LB/In Width
Elongation at Break	D 882	400%
Low Temperature Permeability	D 146 (modified)	No Cracks @ -15°F
Low Temperature Permeability	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
Sound Transmission Coefficient	E 90-97	0.18
Upper Temperature Limit	LAB	160° F

Specialized Testing

Overlap Bond Aging Test: (Lbs/1")		
Bond to itself (after 2 hours UV exposed)	D 1000	11.2
Bond to itself (after 3 days UV exposed)	D 1000	22.3
Cold Weather Peel Adhesion		
Peel Adhesion (overlap bond) @ -15° F		19.5
Peel Adhesion (overlap bond) @ -31.5° F		14.7

Exposure to NH₃ and NH₄OH (request tech update for complete details)

[Tested by exposure to Anhydrous Ammonia Gas, Ammonium Hydroxide 5%, and Ammonium Hydroxide 25%]

SOLUTION:	ELAPSED TIME	Gloss (0-100)	Etching	% Weight Loss
Anhydrous Ammonia Gas				
Alumaguard 60™	0	62	0	0.0%
Alumaguard 60™	5	35	1	2.0%
Alumaguard 60™	20	16	2	5.2%
Ammonium Hydroxide 5% Solution				
Alumaguard 60™	0	62	0	0.0%
Alumaguard 60™	5	38	2	2.6%
Alumaguard 60™	20	14	3	5.7%
Ammonium Hydroxide 25% Solution				
Alumaguard 60™	0	62	0	0.0%
Alumaguard 60™	5	33	2	3.9%
Alumaguard 60™	20	15	3	7.8%

Overall Independent Lab Test deemed "severe based on field expectations": excellent product performance

NOTE: Printed instructions are detailed on our installation instruction sheets, this is not an installation instruction document; before installing or specifying Alumaguard™, obtain a full set of installation instructions from your local distributor, sales representative, or call Polyguard Products (1-800-541-4994) for a set of instructions. We have them available on our website.



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