

Alumaguard® Lite

Product Overview



Alumaguard® Lite is designed to be used outdoors to weather-proof exterior insulated ductwork, piping or other insulated tanks, vessels and equipment or indoors on pipe systems and ductwork where a true zero-perm vapor barrier and durable outer jacket is required. Alumaguard Lite can be used for the underside of the duct and does not require pinning. It is the recommended product to be used on the underside of the duct in Alumaguard® applications.

Alumaguard Lite is a zero-perm, multi-ply high strength composite membrane consisting of multiple layers of UV resistant foil and tough puncture resistant polymer. This multi-ply lamination is then coated with a proven cold weather acrylic adhesive to which is applied a heavy-duty kraft liner that gives the membrane its peel and stick functionality. When used indoors, it meets low VOC emissions criteria. It is available in either a smooth silver finish, or an embossed silver surface finish.

Alumaguard Lite is a "Peel and Stick" product which must be applied to a properly prepared substrate. In duct applications, it is the recommended product to be used on the underside of the duct and does not require pinning.



**Zero Perm
(0.00 permeability)**



10-Year Warranty



Cold weather acrylic adhesive allows installation down to 10°F



Composite membrane with superior bond strength



Easy to install peel and stick, no special tools required



Puncture resistant



Excellent emissivity & sound attenuation (STC 18)



UV Resistant aluminum foil/polymer laminate

Membrane Property	Test Method (ASTM)	Results
Total Product Thickness (w/o liner)	Micrometer	7 mils (Silver Smooth) 9 mils (Silver Embossed) 9 mils (Cool Wrap)
Water Vapor Permeance (perms)	E96, Procedure B	.00
Peel Adhesion (to primed steel)	D3330, Method A	62.4oz/in
Tensile Strength (film only)	ASTM D882	45 lbs/in (MD) 45 lbs/in (XD)
Elongation (film only)	ASTM D882	18% (MD) 24% (XD)
Puncture Resistance (film only)	ASTM D1000	21 Lbf
Fungi Resistance	C1338	Pass
Lower Temperature Exposure	C1263	-40°F
High Temperature Exposure	C1263	+240°F
Dimensional Stability	D1204	<0.5%
Flame/Smoke	E84	Meets 25/50
Emissivity	C1371	.030
Cool Wrap Properties & Test Results	Solar Reflectance	Thermal Emittance
Cool Roof Rating Council (CRRC) Initial	0.86	0.82
Cool Roof Rating Council (CRRC) 3 Year	0.77	0.86
Energy Star 3 Year	0.84	0.78
California Title 24	Exceeds 0.75	Exceeds 0.75

LEED® Point

Contributes to Energy Atmosphere (SA) Credit 1

Contributes to Indoor Environmental Quality (IEC) Credit 4.1

VOC Content < 15 g/l

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