



# Alumaguard®

## PRODUCT OVERVIEW

Alumaguard® flexible weather-proofing jacket is the original, self-healing membrane used on exterior duct-work, refrigeration and chilled water piping, tanks, vessels, and equipment.

Alumaguard® is a composite membrane consisting of a multi-ply embossed UV-resistant aluminum foil/polymer laminate to which is applied a layer of rubberized asphalt specially formulated for use on insulated duct and piping applications. Alumaguard® out performs other common exterior weather barriers, laggings, or coatings, and, by providing exceptional UV protection, weather protection, vapor barrier, and mechanical protection; and simple 'peel and stick' installation.

Alumaguard(or Alumaguard All-Weather) is not for use indoors or in return air plenum applications. In these applications Alumaguard Lite is recommended.

- Zero Perm (0.00 permeability)
- 10-Year Warranty
- Thick rubberized asphalt base for extra rigidity
- Composite membrane with superior bond strength
- Easy to install peel and stick, no special tools required
- Self-healing, puncture resistant
- Excellent emissivity & sound attenuation (STC 18)
- UV resistant aluminum foil/polymer laminate

**Alumaguard Technical Properties and Testing**

Membrane Property	Test Method	Results
Product Thickness (without liner)	Micrometer	54 mils 57 mils (Cool Wrap)
Product Weight	Scale	0.3 lbs/sf
Water Vapor Transmission (grains/hr-ft <sup>2</sup> )	ASTM E96-00	0.00
Permeance (US Perms)	ASTM E96-00	0.00
Peel Adhesion (to primed steel)	ASTM D1000	>12 lbs/in
Low Temperature Pliability	ASTM D146	No Cracks@-15°F
Tensile Strength (film only)	ASTM D882	35 lbs/in (MD) 45 lbs/in (XD)
Elongation (film only)	ASTM D882	18% (MD) 40%
Puncture Resistance (film only)	ASTM D1000	15 Lbf
Mold Resistance	ASTM C1338	Pass
Upper Temperature Limit	LAB	160°F
Emissivity	ASTM C1371	.030
Fire Performance	ASTM E84	FSI=0 SDI=10 Classification: A
<b>Alumaguard Cool Wrap Properties and Test Results</b>		<b>Solar Reflectance</b> <b>Thermal Emittance</b>
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

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