

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!



**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 ²)	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
Alumaguard Cool Wrap Properties and Test Results		Solar Reflectance
Cool Roof Rating Council(CRRC) Initial		0.86
Cool Roof Rating Council(CRRC) 3 Year		0.77
Energy Star 3 Year		0.84
California Title 24	Exceeds 0.75	Exceeds 0.75

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