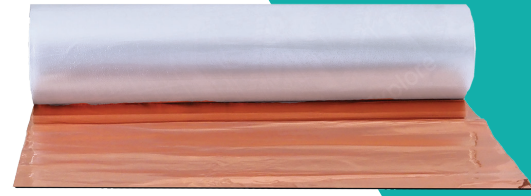




# polyguard

MECHANICAL



## Alumaguard® All Weather

### PRODUCT OVERVIEW

Alumaguard® All Weather weather-proofing cladding from Polyguard Products is the only flexible insulation cladding available in the market which combines the self-healing characteristics of rubberized asphalt with the ease of application and cold weather performance of acrylic adhesive-based products.

Alumaguard All Weather 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. A metalized polyester film coated with a high quality low temperature acrylic adhesive is then applied to the rubberized asphalt. A heavy duty release liner gives it its peel and stick functionality. It is designed to be used outdoors to weather-proof exterior insulated ductwork, piping or other insulated tanks, vessels and equipment. It resists moisture, air and vapor intrusion.

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
- Self-healing, puncture resistant
- Aluminum facing is UV stable
- Acrylic adhesive allows installation down to 10°F
- No pinning or activator required
- Excellent emissivity
- Can be used year round

### Alumaguard® All-Weather Technical Properties and Testing

Membrane Property	Test Method	Results
Product Thickness (w/o liner)	Micrometer	34 mils 37 (Cool Wrap)
Product Weight	Scale	0.2 lbs/sf
Water Vapor Transmission (grains/hr -ft <sup>2</sup> )	ASTM E96-00	.00
Permeance (US Perms)	ASTM E96-00	.00
Peel Adhesion (to primed steel)	ASTM D1000	>16 lbs/in
Tensile Strength (film only)	ASTM D882	35 lbs/in (MD) 45 lbs/in (XD)
Elongation (film only)	ASTM D882	18% (MD) 40% (XD)
Puncture Resistance (film only)	ASTM D1000	15 Lbf
Mold Resistance	ASTM C1338	Pass
Upper Temperature Limit	LAB	150°F
Emissivity	ASTM C1371	.030

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