

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.



**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 ²) | 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 |
| Alumaguard® Cool Wrap Properties and 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 |

contact us



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