

ALUMAGUARD® LITE WHITE Flexible Weather-Proofing Jacket



Alumaguard® Lite White flexible weather- proofing cladding from **Polyguard Products** is the newest member of the **Alumaguard®** family of cladding products that offers indoor/outdoor installation, superior cold weather performance and enhanced chemical resistance.

- Meets ASTM E84 25/ 50 Smoke and Flame requirements.
- Cladding has superior puncture resistance and is zero perm.
- Meets FDA Compositional requirements for indirect food contact (21 CFR 175.105 and 21 CFR 175.125; FDA Indirect Food Additives: Adhesives and Components of coatings).
- Easy Installation down to 10°F with no special tools required.
- Alumaguard® Lite White is primarily designed to be used indoors for mechanical room, food production areas or other indoor applications where a glossy white cleanable surface is desired. It is used outdoors to weather-proof exterior insulated ductwork, piping or other insulation tanks, vessels and equipment or indoors on pipe systems and ductwork where a true zero perm vapor barrier is preferred.

Description

Alumaguard Lite White is a glossy white multi- ply high strength and puncture resistant composite membrane consisting of layers of polymer and foil. 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.

Uses

Alumaguard Lite White is primarily designed to be used indoors for mechanical rooms, food production areas or other/indoor applications where a glossy white appearance is desired, and 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 is preferred. It is also resistant to a range of chemicals. A chart of Alumaguard Lite White's chemical resistance is available.

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This information is based on our best knowledge, but POLYGUARD cannot guarantee the results to be obtained.

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Association®

Note: Prior to the installation of *Alumaguard Lite White*, ducts must be sealed in accordance with SMACN A HVAC Duct Construction Standards Metal and Flexible, 3rd Edition (2005), Seal Class A.

Installation

Alumaguard Lite White is a “peel and stick” product which must be applied to a properly prepared substrate.

Alumaguard Lite should only be applied to a faced fiberglass or faced closed-cell foam insulation board.

Applying Alumaguard Lite White to light density duct w rap is not recommended. Round or oval duct should be insulated with 3 # or 6 # pipe and tank w rap with appropriate facing.

Packaging

Alumaguard® Lite White is available in 3” , 23” and 35. 5” x 150’ rolls packaged 16, 2 and 1 to a carton respectively. The 23” size is considered special order.

***Alumaguard® Lite* Technical Properties and Testing**

Membrane Property	Test Method	Results
Total Product Thickness (w/o liner)	Micrometer	6 mils
Water Vapor permeance, maximum	ASTM E96, Procedure A	.00 perms
Tensile Strength (film only)	ASTM D882	58 lbs/in (MD) 67 lbs/in (XD)
Elongation (film only)	ASTM D882	80% (MD) 40% (XD)
Puncture Resistance (film only)	ASTM D1000	24 Lbf
Peel Adhesion (to primed steel)	D 3330, Method A	48 oz/in
Low Temperature Exposure	C1263	-40° F
High Temperature Exposure	C1263	240° F
Dimensional Stability	D1204	< 0.5%
Weather Resistance	G154, Cycle 1 for 1000hours total exposure	No delamination or apparent deterioration
Water Resistance	Test Method proscribed in ASTM C1775-13	No bubbles, blisters, Substrate separation
Fungi Resistance	ASTM C-1338	Pass
Flame/ Smoke	ASTM E-84	Meets 25/ 50
Thermal Emittance	ASTM C-1371	0.87

LEED® Point Contributor
Contributes to Energy Atmosphere (SA) Credit 1
Contributes to Indoor Environmental Quality (IEC) Credit 4.1
VOC Content < 15 g/l

Limited Warranty

Polyguard Products warrants material to be free from leaks caused by defects in materials or manufacturing for a period of ten (10) years from the date of installation when material is applied according to installation instructions in effect at the time of installation. Contact *Polyguard* for complete details on the Limited Warranty.

Limitations

Alumaguard Lite White should be installed on a properly prepared, clean and dry substrate.

Alumaguard Lite White should not be adhered to commercial roofing membranes. For specific information regarding *Alumaguard Lite White* and commercial roofing, refer to Technical Bulletin, 2011- 1.

Alumaguard Lite White should be stored in a clean dry area *Alumaguard Lite White* has a recommended shelf life of 12 months.

Note: Before installing *Alumaguard® Lite* obtain a full set of installation instructions at www.PolyguardProducts.com or by calling *Polyguard* at 8 0 0 - 5 4 1 - 4 9 9 4 or by asking your local distributor or sales representative.