

## 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.

Proud Member of  
**NIA** National Insulation 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
Puncture Resistance, minimum	ASTM D1000	24 lbs/in
Burst Resistance	ASDTM D774	170 psi
Tensile Strength, minimum	ASTM D882	56 lbs/in
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 1000 hours 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

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

**Note: Before installing *Alumaguard® Lite* obtain a full set of installation instructions at [www.PolyguardProducts.com](http://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.**

**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.