

ALUMAGUARD EE



Ducts **must** be sealed in accordance with **SMACNA HVAC Duct Construction Standards Metal and Flexible - Second Edition (1995) Seal Class A** prior to insulation of **ALUMAGUARD®**.

Alumaguard Extended Edge is produced with a half inch exposed asphalt edge covered by a zip strip along one edge of the roll. Alumaguard EE is applied the same as Alumaguard, only installing the exposed edge down the progression of your work.

Care must be used in installing to insure that the exposed asphalt doesn't 'fold' back onto it self. After the first piece is installed and the second piece is ready to install, remove the zip strip from the first piece and install it using the customary 3" overlap.

Insure that you have the subsequent piece placed correctly over the installed piece; you will not get an asphalt to asphalt bond apart!

The seal being asphalt to asphalt will cold flow together making the two pieces as one.



ZIP STRIP OVER
ASPHALT EXTNEDED EDGE



ASPHALT TO ASPHALT
BOND



YOU CANNOT PULL IT APART

Alumaguard has been in service on thousands of ducts and piping systems around the world, proving that a peel and stick, self-healing membrane is the perfect waterproofing system for exterior insulated systems.

The introduction of Alumaguard Extended Edge gives the specifier and contractor another product to select for a specific project.

The introduction of Alumaguard Lite for the bottom of the ducts eliminates the need to pin through the Alumaguard on the bottoms of the duct anymore. **HOWEVER, WE DO NOT RECOMMEND A THIN NON-HEALING MEMBRAND ON AN ENTIRE EXTERIOR DUCT SYSTEM.**

Complete installation instructions are available on our website, or by calling us.



Polyguard
www.polyguardproducts.com





Alumaguard Extended Edge is a specialty rubberized bitumen membrane with an exposed asphalt edge for a superior seal, designed specifically to be installed over insulation on exterior ductwork, refrigeration piping, chilled water piping, tanks, vessels, and equipment in cold temperatures. The membrane is 'peel and stick', self-healing if punctured, UV stable, and will expand and contract with the mechanical system. The membrane has excellent emissivity and sound attenuation properties.

Alumaguard EE is not, and should not, be used as a mechanical fastener. Band or pin insulation as needed.

Membrane	ASTM Test	Typical Results
Property	Method #	Alumaguard
Water Vapor Transmission [grains/(hr-ft²)]	E 96-00	0.0022
Permeance (US Perms)	E 96-00	0.0053
Water Vapor Transmission [grains/(hr-ft ²)] Compound Only	E 96-00	0.012
Permeance (US Perms) Compound Only	E 96-00	0.035
Peel Adhesion (to primed steel)	D 1000	> 12 LB/In Width
Elongation at Break	D 882	400%
Low Temperature Permeability	D 146 (modified)	No Cracks @ -31°F
Tensile Strength Backing	D 882 (Method B)	5000 PSI
Puncture Resistance Backing	E 154	> 40 LBS
Fungus Resistance Membrane	G 21-90	0 Growth
Sound Transmission Coefficient	E 90-97	0.18
Upper Temperature Limit		160° F
Overlap Bond Aging Test: (Lbs/1")		
Bond to itself (after 2 hours UV exposed)	D 1000	11.2
Bond to itself (after 3 days UV exposed)	D 1000	22.3
Low Temperature Peel Adhesion		
Peel Adhesion (overlap bond) @ -15° F	D 1000	19.5
Peel Adhesion (overlap bond) @ -31.5° F	D 1000	14.7

REV 4.3.07