

ZeroPerm SuperWhite

Zero Permeance Vapor Barrier Membrane

ZeroPerm® SuperWhite is a tough, flexible "perfect barrier", with zero permeability. The bright glossy white exterior will not "gray out" PVC jacket when installed over it.

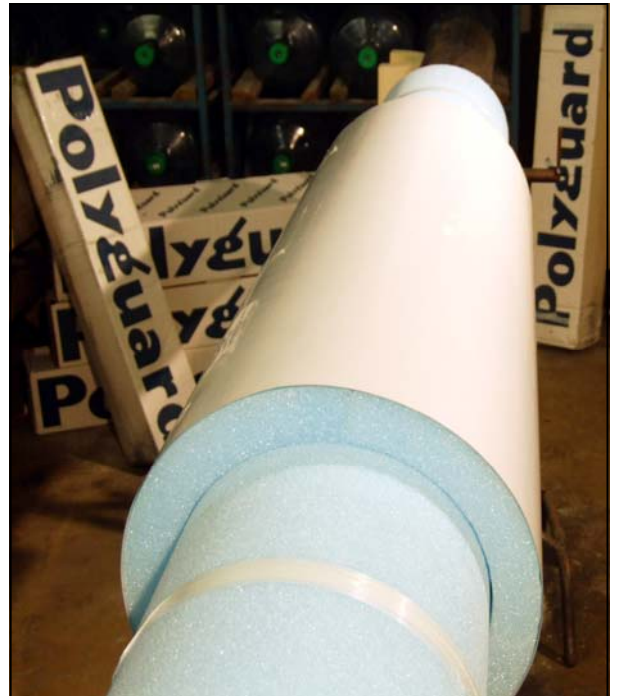
ZeroPerm SuperWhite is a polyester/natural aluminum/polyester 'sandwich' 2.6 MILS thick, the foil is protected on both sides by the laminated films, protecting the foil from corrosion and abrasion. **ZeroPerm** is a true zero-perm vapor barrier for installation on below ambient and sub-freezing systems.

ZeroPerm SuperWhite is a superior alternative to PVDC vapor barriers: it has a true 0 permeance compared to PVDC which ranges from .01 to .02 perms depending on the gauge of material. **ZeroPerm SuperWhite** is also superior to traditional ASJ vapor barriers: its 0 perm rating compares favorably to the .02 perm rating of ASJ and it contains no paper which makes it highly mold resistant."

ZeroPerm® SuperWhite is available in 35-1/2" width for pre-application by the fabricator on the outer layer of the insulation. **ZeroPerm SuperWhite** is available in slit tape widths with a pressure sensitive acrylic adhesive for wrapping fittings and appurtenances. **ZeroPerm** is also available in silver.

Installations should include 3" longitudinal and circumferential laps sealed with 3" tape or factory applied SSL with field applied butt laps. Consult with the system design engineer for precise installation requirements for any given system as installation may vary based on the system. No product is intended for use in any application over every insulation; each type of insulation application has its own intricacies; consult your design engineer and Polyguard for technical assistance or detail drawings.

ZeroPerm® is not intended as a mechanical fastener or a mechanically protective jacketing system.



Insulation must be installed according to the manufacturers recommendations. **ZeroPerm** must be protected by a mechanical jacket such as PVC or Metal.

Indoor use in areas requiring mechanical protection can be jacketed with **Polyguard's Alumaguard® Lite** jacketing system, vapor barrier and protective jacket in one product (white or silver).

Outdoors, our **Alumaguard** or **Alumaguard LT** product is the perfect vapor barrier and self healing mechanical jacketing system.

Properties Table on back

P.O. Box 755
Ennis, TX 75120
PH: (214) 515-5000
FX: (972) 875-9425

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



Polyguard is ISO 9001 certified since 1996.

PHYSICAL PROPERTY	TEST METHOD	VALUE	
Permeance	ASTM E96, Procedure A	0.0 perm	0.0 ng/sq.m.s.Pa
Breaking Strength	ASTM D412	32.3 lb/inch	5.77 kg/cm
Tear Strength (die C)	ASTM D624	1.9 lbs	0.86 kg
Puncture Resistance	ASTM E154	86.8 lbs.	386 newtons
Mold and Mildew Resistance	ASTM C1338	no growth of organisms	
Elongation at Break	ASTM D412	30%	
Low Service Temperature Limit	Freezer exposure at temperature	- 100°F	-70°C
High Service Temperature Limit	Oven exposure at temperature	+250°F	+121°C
Thickness, Nominal	Micrometer	2.5 mils	63.5 microns
Weight Per Area	Scale/Balance	26.5 lb/1000 sq. ft.	129 g/sq.m

SURFACE BURNING CHARACTERISTICS		
TESTED	TEST METHOD	VALUE
EITHER SIDE EXPOSED	ASTM E-84	5 FLAME 0 SMOKE

Please contact Technical Service for help with product and applications questions.

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Consult with us to assist you in designing a 'corrosion free' insulation system using **RG-2400®**

(www.reactivegel.com).

If your vapor barrier is mechanically damaged and breached, **RG-2400** will keep your piping system corrosion free.

