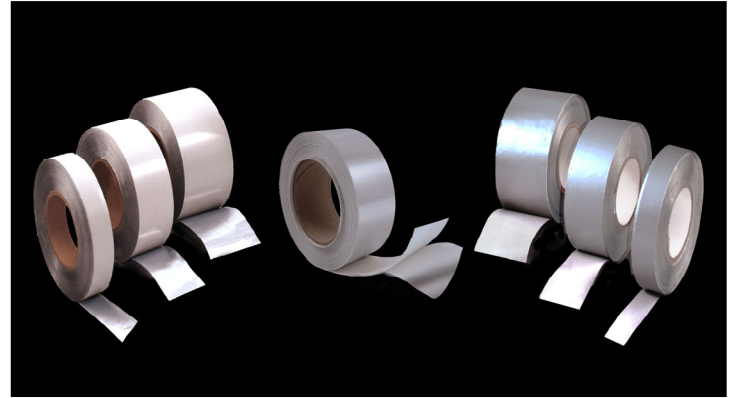


ZeroPerm® Vapor Barrier Acrylic Tapes



ZeroPerm® vapor barrier acrylic tapes are required for use with **Polyguard Products ZeroPerm vapor barrier membrane** to seal butt joints and longitudinal joints and for use on valves and fittings. Made from the same material as the **ZeroPerm** vapor barrier, the tapes maintain an absolute “zero perm” barrier that provides maximum protection for all types of insulations used in below ambient, sub-freezing and cryogenic applications on duct, pipe, or vessel systems

- Meets ASTM E84 25/50 Smoke and Flame requirements.
- Meets ASTM 1136-12, Type IX
- Puncture and tear resistance
- Zero permeability
- Paper-free
- Mold resistant
- Available in silver or white, with a liner or self-wound

Description

ZeroPerm® Tapes use a 3-ply composite membrane consisting of two plies of tough polymer film sandwiching one ply of 1.0 mil Aluminum Foil. The tapes are coated with a high quality, cold-weather resistant acrylic adhesive providing superior adhesive capability over a wide temperature range.

Uses

ZeroPerm® vapor tapes are used as part of the **ZeroPerm** vapor barrier system on cold pipe applications either between layers of insulation on sub-freezing projects like LNG piping, or as the outer vapor-barrier jacket on ammonia, brine or glycol systems under mechanical jacketing, either metal or PVC. **ZeroPerm** can also be used on chilled water systems replacing ASJ and PVDC jacketing either left exposed or under a protective metal or PVC jacket.

Installation

Two types of **ZeroPerm® tapes** are available to complete the installation in the field. Both use a high quality, acrylic adhesive with excellent cold weather performance. **ZeroPerm®-A Tape** has a kraft release liner and is typically available in 2” and 3” width rolls for sealing longitudinal and circumferential laps. **ZeroPerm® Self-Wound** has no liner, is used on valves and fittings and comes in 2” and 3” widths.

Packaging

- **ZeroPerm®-A (acrylic adhesive with liner) (rolls)**
- 2”, 3”, 23.5”, 35.5” x 150’
- **ZeroPerm® Self-Wound Tape (acrylic adhesive)**
(rolls) - 2”, 3” x 400’

Store in cool dry place. Recommended shelf-life is one year from date of purchase.

ZeroPerm® Tapes - Technical Properties and Testing

Physical Property	Test Method	ZeroPerm®-A	ZeroPerm® SW
Total Product Thickness(w/o liner)	Micrometer	3.7 mils	3.7 mils
Thickness Carrier	Micrometer	2.4 mils	2.4 mils
Thickness Adhesive	Micrometer	1.3 mils	1.3 mils
Tensile Strength	PSTC 131	>30 lbs/in	>30lbs/in
Elongation	PSTC 131	64%	64%
Peel Adhesion	PSTC 101	39 oz/in	39oz/in
Minimum Application Temperature	ASTM D1790	-20°F	-20°F
Maximum Continuous Temp.	4 Hour Oven exposure	150°F	150°F

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