



Protape[®]

EPDM Seam Tape for AEROFLEX EPDM[™]
Closed-Cell Elastomeric Insulation



Courtesy of Nelson Insulation Company





Protape®

Zero-perm EPDM Rubber Tape for AEROFLEX EPDM™ Closed-Cell Elastomeric Insulation

HVAC | Refrigeration | VRF | Chilled Water
Hot & Cold-Water Piping

Zero-perm, 24-mil thick EPDM rubber tape for vapor-sealing glued seams of AEROFLEX EPDM™ closed-cell elastomeric insulation tubes, sheets and rolls. Provides a zero-perm vapor barrier over glued insulation seams.

Available in rolls ranging from 1"- 5" wide x 82' long in Black and White/Gray.

Superior performance

Made from AEROFLEX EPDM™ rubber

Expands & contracts with AEROFLEX® insulation

50% elongation - will stretch up to 50% of its length without tearing

Provides a zero-perm vapor barrier over glued insulation seams to prevent water vapor penetration and corrosion under insulation (CUI)*

Safe for interior and exterior environments**

Superior fire safety - 25/50 rated and self-extinguishing

Non-corrosive on copper and stainless steel piping when used as a vapor stop

Indoor Advantage™ Gold Certified for low chemical emissions

Verified Environmental Product Declarations (EPD's) and Health Product Declarations (HPD's)

No CFC's, HFC's, HCFC's, PBDE's, nitrosamine or fibers

Naturally mold-resistant; no added biocides required

Ultra-low PVC content – less than 1%

AEROFLEX EPDM™ insulation system solutions



Aerofix®

Light-weight, rigid pipe supports, pre-insulated with high-density, load-bearing foam and encased with zero-perm EPDM polymer membrane. Includes built-in pressure sensitive Protape® closure system.



AeroFit™

Pre-fabricated fitting covers made of AEROFLEX EPDM™ rubber for high-quality installation on HVAC and plumbing piping.



AEROFLEX® Adhesives

Specially formulated adhesives for bonding and vapor-sealing AEROFLEX EPDM™ insulation. Fast tack and LVOC formulations available.



Aerocoat®

Premium insulation coating specially formulated for AEROFLEX EPDM™ insulation to provide UV protection for exterior applications and as a decorative finish.

*AEROFLEX EPDM™ insulation seams must always be bonded and sealed with an AEROFLEX® adhesive prior to applying Protape; Protape should never be applied over unglued seams.

**Note: National, state & local energy codes require protection of cellular foam pipe insulation from solar radiation for exterior applications. Jackets and insulation coatings are acceptable. Adhesive tapes are not permitted.

Product: EPDM-based (Ethylene Propylene Diene Monomer) self-adhering rubber tape for insulating HVAC, refrigeration, VRF, chilled water and hot/cold water piping systems. Thickness = .024 mil (+/- .004 mil).

Installation Instructions:



Physical and Operational Properties

Property	Test Value/Rating	Test Method
Service Temperature	-70°F to 257°F -57°C to 125°C	Upper Limit: ASTM C 411 ¹
UV Resistance	Pass	ASTM G7
Ozone Resistance	No cracking	ASTM D1171
Water Vapor Permeability	0.00 perm-inch	ASTM E96
Water Absorption (weight %)	0.2%	ASTM C209/C1763
Surface Burning/Flammability	Pass	UL94 V-0
	25/50	ASTM E84, UL723
	Pass	NFPA 90A/90B
	Self-extinguishing	ASTM D635
VOC Emissions	< 0.5 mg/m3	CDPH Standard Method v1.2
Corrosion of copper, stainless	Pass (non-corrosive)	DIN 1988/ASTM C692
Nitrosamine Contents	Not detected	U.S. FDA CPG No. 7117.11 BSEN 12868

¹ AEROFLEX EPDM™ flexibility begins to decrease at -70°F and below. This does not impact the insulating properties of the material.

Additional Approvals, Certifications & Compliance

ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1	International Green Construction Code® (igCC®)
ANSI/ASHRAE/IES Standard 90.1	Energy Standard for Buildings Except Low-Rise Residential Buildings
CA Title 24	California Building Energy Efficiency Standards
California Specification 01350	VOC Emissions, Standard Method v1.2
EPA	Toxic Substances Control Act (TSCA) Persistent, Bioaccumulative, and Toxic (PBT) Chemicals, Per- and Polyfluoralkyl Substances (PFAS)
IECC®	International Energy Conservation Code®
LEED®	U.S. Green Building Council - Leadership in Energy and Environmental Design
MEA #171-04-M	City of New York Material and Acceptance Pipe Insulation
REACH	European Chemicals Agency (ECHA) - Registration, Evaluation, Authorization and Restriction of Chemicals
RoHS	European Union - Restriction of Hazardous Substances

Potential LEED® Credit Contributions

Energy & Atmosphere (EA)	Prerequisite: Minimum Energy Performance Credit: Optimize Energy Performance
Materials & Resources (MR)	Credit: Building Product Disclosure and Optimization - Environmental Product Declarations (EPD), Product Specific Type III Credit: Building Product Disclosure and Optimization - Material Ingredients, verified HPD
Indoor Environmental Quality (EQ)	Credit: Low-Emitting Materials Credit: Indoor Air Quality Assessment Credit: Thermal Comfort Credit: Acoustic Performance
Innovation (IN)	Credit: Occupant Comfort Survey





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