



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

GREENGUARD Gold Certified for low chemical emissions

Environmental Product Declaration (EPD)

Health Product Declaration (HPD)

Naturally mold-resistant; no added biocides required

*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.

**For exterior applications, Aerocoat®, Aerocoat LVOC®, or an insulation jacket
are recommended for UV protection to maximize the insulation's life cycle.

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 insulation
fittings 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.

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).



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
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
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

