



## WHY AEROFLEX USA?

Aeroflex USA is the American manufacturer of the AEROFLEX® brand of EPDM (ethylene propylene diene monomer) closed cell elastomeric foam pipe, duct and equipment insulation for HVAC, refrigeration, and plumbing systems.

### • AEROFLEX® EPDM is...

- **Nonpolar** and **hydrophobic**: repels moisture, does not induce or react with water
- Composed of a **closed-cell structure** with **built-in vapor retarder**
- **Thermally efficient** (thermal-k value of 0.245 @ 75° F per ASTM C177, C518)
- **Resistant to water vapor** (0.02 perm-inch per ASTM E96)
- **Maintains flexibility in cold weather**; does not crack and break apart
- Inherently more **UV-resistant** than traditional NBR/PVC rubber (ASTM G7, D1171)
- Offers a **higher continuous operating temperature** than NBR/PVC rubber at **257° F [125° C]** (ASTM C411)
- **Non-corrosive** when installed over **stainless steel** systems (ASTM C692)
- **Naturally microbial-resistant**; no biocides added (ASTM C1318, G21, UL 181 Section 13)
- Passes **25/50** flame spread/smoke-developed index up to **2" [50 mm]** thick ASTM E84, UL723, CAN/ULC-S102)
- **Self-extinguishing** (ASTM D635)
- **AEROFLEX® Self-Seal™** factory pre-slit tubes and **Cel-Link II®** seam seals are glueless
- **Self-Seal** is available in pre-formed, pre-slit tubes in pipe sizes up to **16" IPS**
- Available in **Black** and **White/Gray** formulas
- **Indoor Advantage™ Gold Certified** for low chemical emissions
- Compliant with **REACH Substances of Very High Concern (SVHC)**
- Compliant with **RoHS** (European Union - Restriction of Hazardous Substances)
- **Buy American** compliant
- **Made in USA** with global materials



### • Hermetic Single-Source Warranted System Solutions

- **AEROFLEX® Sheets & Rolls** and **AEROFLEX® Sheets & Rolls with PSA**
- **AEROFLEX® with SaniGuard™** jacketed pipe insulation
- **AEROFLEX® Adhesives** - **Aeroseal, Aeroseal LVOC™ Black** and **REF 1520™**
- **Protape®** zero-perm EPDM tape; can be installed immediately over glued seams (**Aeroseal, Aeroseal LVOC Black™**)
- **Aerofix®** insulated pipe supports
- **AeroFit™** factory fabricated EPDM fitting covers (standard and mechanical grooved)
- **Aerocoat™** and **Aerocoat LVOC™** insulation coatings; can be installed immediately over glued seams (**Aeroseal, Aeroseal LVOC Black™**)

### • LEED® Contributing

- Energy & Atmosphere (EA) - Credit: Optimize Energy Performance
- Materials & Resources (MR) - Credits:
  - Building Products Disclosure & Optimization - Environmental Product Declarations (EPD's): Project-Specific Type III
  - Building Products Disclosure & Optimization - Health Product Declarations (HPD's): Verified Health Product Declarations v 2.2
- Indoor Environmental Quality (EQ) - Credits:
  - Low-Emitting Materials: Indoor Advantage™ Gold Certified insulation & certified adhesives/coatings
  - Indoor Air Quality Assessment
  - Thermal Comfort
  - Acoustic Performance
- Innovation (IN) - Credit: occupant comfort survey

### • Dedicated Mechanical Engineering Support

### • National Distribution Network

### • Deep Commitment to Inventory and Customer Service

