



**Certificate of Compliance**  
**AEROFLEX® EPDM Closed-Cell Elastomeric Foam Insulation**

**Manufacturing Specifications**

- **ASTM C534 Grade 1, Type I (tubular) and Type II (sheet)** – Standard Specification for Preformed Flexible Elastomeric Cellular Thermal Insulation in Sheet and Tubular Form; Result: meets requirements
- **ASTM D1056, 2C1** – Standard Specification for Flexible Cellular Materials – Sponge or Expanded Rubber; Result: meets requirements
- **ASTM D1171** – Standard Test Method for Rubber Deterioration – Surface Ozone Cracking Outdoors; Result: no cracking
- **ASTM G7** – Standard Practice for Atmospheric Environmental Exposure Testing of Nonmetallic Materials; Result: minimal cracking or color change

**Fire Behavior**

- **ASTM E84** (25/50 Flame Spread/Smoke Developed Index) Standard Test Method for Surface Burning Characteristics of Building Materials; Result: pass (up to 2” or 50 mm thick)
- **ASTM D635** – Standard Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position; Result: self-extinguishing
- **NFPA 90A** – Standard for the Installation of Air-Conditioning and Ventilating Systems; Result: meets requirements (up to 2” or 50 mm thick)
- **NFPA 90B** – Standard for the Installation of Warm Air Heating and Air-Conditioning Systems; Result: meets requirements (up to 2” or 50 mm thick)
- **UL94** – Tests for Flammability of Plastic Materials for Parts in Devices and Appliances; Result: flame classification V-0

**Chemicals / VOC's / Human Health**

- **Health Product Declarations (HPD's)** – verified per HPDC Open Standard v2.2
- **SCS Global Services Indoor Advantage™ Gold Certified** for low chemical emissions
- **California Department of Public Health CDPH Specification 01350** – Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers; Result: meets requirement
- **RoHS 3 compliant**
- **REACH compliant**
- **DBDPE-free** (Decabromodiphenyl ethane)
- **PBDE-free** (Polybrominated diphenyl ether)
- **Nitrosamine-free**
- **Asbestos-free**
- **Fiber-free**
- **ASTM C1338** – Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings; Result - no growth (no biocides added)
- **ASTM G21** – Standard Practice for Determining Resistance of Polymeric Materials to Fungi; Result - no growth (no biocides added)

- **UL181** – Standard for Factory-Made Air Ducts and Air Connectors, Section 13 Mold Growth; Result - no growth (no biocides added)

#### **Environment**

- **Environmental Product Declarations (EPD's)**: Product-Specific Type III
- **No CFC's, HFC's or HCFC's** utilized during manufacturing
- **Ultra-low PVC content** (< 1%)

#### **U.S. Green Building Council (USGBC) Leadership in Energy and Environmental Design (LEED® v4 / v4.1)**

- **Energy & Atmosphere (EA)**
  - Prerequisite: Minimum Energy Performance; Result: can contribute
  - Credit: Optimize Energy Performance; Result: can contribute
- **Materials & Resources (MR)**
  - Product Disclosure & Optimization: Environmental Product Declarations; Result: can contribute
  - Product Disclosure & Optimization: Material Ingredients; Result: can contribute
- **Indoor Environmental Quality (EQ)**
  - Credit: Low-Emitting Materials; Result: can contribute
  - Credit: Indoor Air Quality Assessment; Result: can contribute
  - Credit: Thermal Comfort; Result: can contribute
  - Credit: Acoustic Performance; Result: can contribute
- **Innovation (IN)**
  - Occupant Comfort Survey; Result: can contribute

#### **Energy Codes**

- **ANSI/ASHRAE/IES Standard 90.1** – Energy Standard for Buildings Except Low-Rise Residential Buildings; Result: meets requirements
- **International Green Construction Code® (IgCC®)**; Result: meets requirements
- **International Energy Conservation Code® (IECC®)**; Result: meets requirements
- **California Building Energy Efficiency Standards (Title 24)**; Result: meets requirements

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