



Certificate of Compliance

AEROFLEX EPDM™ Closed-Cell Elastomeric Foam Insulation

Manufacturing Specifications

- **ASTM C356** – Standard Test Method for Linear Shrinkage of Preformed High-Temperature Thermal Insulation Subjected to Soaking Heat; Result: meets requirements
- **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 C1534, Type I** – Standard Specification for Flexible Polymeric Foam Sheet Insulation Used as a Thermal and Sound Absorbing Liner for Duct Systems; Result: meets requirements
- **ASTM D1056, 2C1** – Standard Specification for Flexible Cellular Materials – Sponge or Expanded Rubber; Result: meets requirements

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)
- **CAN/ULC-S102** – Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies; Result: pass (up to 2", 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", 50 mm thick)
- **NFPA 90B** – Standard for the Installation of Warm Air Heating and Air-Conditioning Systems; Result: meets requirements (up to 2", 50 mm thick)
- **UL 94** – Tests for Flammability of Plastic Materials for Parts in Devices and Appliances; Result: flame classification V-0
- **UL 723** – Standard for Test for Surface Burning Characteristics of Building Materials; Result: pass (up to 2", 50 mm thick)

Chemicals / VOC's / Human Health

- **Health Product Declarations (HPD's)** – 3rd-party verified per HPDC Open Standard
- **SCS Global Services Indoor Advantage™ Gold Certified** – low chemical emissions
- **California Department of Public Health (CDPH) Specification 01350**; Result: meets requirements
- **EPA PFAS, TSCA Section 6(h)**; Result: meets requirements
- **REACH**; Result: meets requirements
- **RoHS 3**; Result: meets requirements
- **DBDPE-free** (Decabromodiphenyl ethane)
- **PBDE-free** (Polybrominated diphenyl ether)
- **Nitrosamine-free**
- **Asbestos-free**
- **Fiber-free**

- **ASTM C423** – Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; Result: refer to technical data sheets
- **ASTM 1304** – Standard Test Method for Assessing the Odor Emission of Thermal Insulation Materials; Result: no objectionable odor
- **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)
- **UL 181** – 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

Other

- **U.S. Securities and Exchange Commission (SEC) Conflict Minerals (T3G)**; Result: no conflict minerals sourced and utilized in the manufacture of any AEROFLEX® products

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