

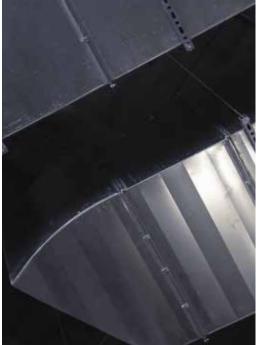
A SOUND INVESTMENT

AP CoilFlex®

Duct Liner

The fiber-free, thermal and acoustical conformable duct liner engineered to safeguard IAQ, attenuate HVAC noise and reduce energy loss.

- $/\!/$ Excellent at attenuating airborne noise to reduce background noise from HVAC systems 0.60 NRC
- // Soft elastomeric foam easily conforms to fabricated duct corners without compression to maintain integrity of insulation
- // Fiber-free, non-particulating, formaldehyde-free, free of PDBE flame r etardants, and low VOC
- // Microban® antimicrobial product protection inhibits the growth of mold and mildew in the insulation
- // Meets ASHRAE 90.1, ASHRAE Standard 189.1, IECC and California Title 24 for increased energy efficiency









TECHNICAL DATA - AP CoilFlex® DUCT LINER

Description

Black, conformable, elastomeric, thermal and acoustical duct liner in roll form.

Specification Compliance

ASTM C 1534
ASTM E84
ASTM E84
NFPA 90A, 90B

Approvals, Certifications, Compliances:

GREENGUARD Gold Certified.
Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.

All Armacell facilities in North America are ISO 9001 certified.

Typical Properties

| Specifications: | Values | Test Method | |
|---|---------------------------------------|---------------------------------|---------------------|
| | AP CoilFlex 1" (NBR based) | AP CoilFlex 1-1/2" (EPDM based) | |
| Thermal Conductivity: Btu • in/h • ft² • | • °F (W/mK) | | - |
| 75°F (24°C) Mean Temperature 100°F (38°C) Mean Temperature | 0.25 (0.036) 0.256 (0.037) | 0.28 (0.040) 0.289 (0.040) | ASTM C 177 or C 518 |
| Flame Spread and Smoke Developed Index: | 25/50 rated | 25/50 rated | ASTM E 84 |
| Mold Growth: Fungi Resistance: | Passed Passed | | ASTM G21/C1338 |
| Maximum Service Temperature: | 220°F (104°C)* | 300°F (150°C) | ASTM C534 |
| Minimum Service Temperature: | -297°F (-183°C) | -297°F (-183°C) | ASTM C534 |
| Erosion Resistance: | Does not break away, flake off or sho | ASTM C 1071 | |
| Corrosiveness: | Noncorrosive | ASTM C 665 | |
| Odor Emissions: | No objectionable odors | ASTM C 665 | |

^{*} AP CoilFlex Insulation can withstand temperature of 250°F (121°C) when tested according to ASTM C 411. "Test Method for Surface Performance of High-Temperature Insulations." At this temperature, AP CoilFlex Insulation shows no evidence of flaming, glowing, smoldering, delamination, melting or insulation collapse. Although this insulation will withstand high temperatures, continuous use temperature should be limited to 220°F (104°C).

R-value

| R-4.2 | R-6 |
|-------|--------|
| 1" | 1-1/2" |

Sizes

| Wall Thickness | Roll Widths | | | | | |
|----------------|-------------|-----|-----|---------|-----|-----|
| 1" | 46" | 47" | 48" | 56-1/4" | 59" | 60" |
| 1-1/2" | | _ | 48" | _ | | |

Sound Absorption Coefficients at Frequency

| | 125Hz | 250Hz | 500Hz | 1000Hz | 2000Hz | 4000Hz | NRC | SAA |
|---------------------------|-------|-------|-------|--------|--------|--------|------|------|
| Thickness Nom. 1- (25 mm) | 0.08 | 0.22 | 1.03 | 0.37 | 0.68 | 0.50 | 0.60 | 0.52 |

All data and technical information are based on results achieved under typical application conditions. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. By ordering/receiving product you accept the **Armacell General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these.

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ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With 3,000 employees and 23 production plants in 15 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

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