



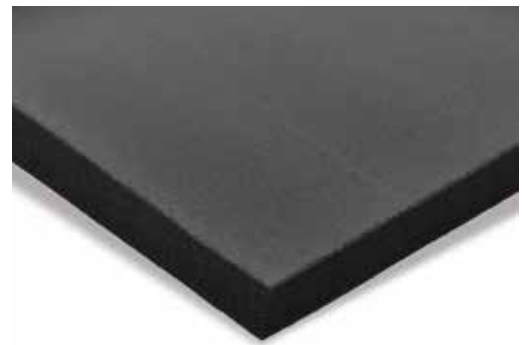
SPIRAL DUCT LINER

AP SpiralFlex

The first elastomeric duct liner specifically designed for spiral ducts. Lightweight and conformable, AP SpiralFlex® is engineered to provide simplified installation, safeguard IAQ, attenuate HVAC noise and reduce energy loss.

- // 20% lighter than ducts that require a heavier, more costly inner metal lining
- // Self-supporting and conformable, the flexible lightweight backing keeps insulation tight against the duct wall
- // Microban® antimicrobial product protection inhibits the growth of mold and mildew in the insulation
- // Good at attenuating airborne background noise from HVAC systems
- // Meets ASTM E 84 25/50 flame and smoke, ASHRAE 90.1, ASHRAE Standard 189.1, IECC and California Title 24

www.armacell.us



 **armacell**[®]
ArmaFlex[®]

Technical Data: AP SpiralFlex™ Spiral Duct Liner

Description

Black, conformable, elastomeric composite material in roll form for use as a thermal and acoustical duct liner in spiral ducts. (Not recommended for oval ducts.)

Specifications Compliance

ASTM C 1534	NFPA 90A, 90B	UL 181
ASTM E84		UL 723

Approvals, Certifications, Compliances

- GREENGUARD® Gold Certified.
- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.
- Made with EPA registered Microban® antimicrobial product protection.
- All Armacell facilities in North America are ISO 9001 certified.

Typical Properties

Specifications	Values	Test Method
Thermal Conductivity: Btu • in./h • ft ² • °F (W/mK)		
75°F Mean Temperature (24°C)	0.28 (0.040)	ASTM C 177 or C 518
90°F Mean Temperature (32°C)	0.286 (0.042)	
Flame Spread and Smoke Developed Index:	25/50 rated	ASTM E 84
Mold Growth	Passed	UL181
Fungi Resistance		ASTM G21/C1338
Maximum Service Temperature	180°F (82°C)	ASTM C534
Minimum Service Temperature	-297°F (-183°C)	ASTM C534
Erosion Resistance:	Does not break away, flake off or show evidence of delamination at velocities of 10,000 ft/min	ASTM C 1071
Corrosiveness:	Noncorrosive	ASTM C 665
Odor Emissions:	No objectionable odors	ASTM C 665

R-Value

R-4.2

1"

Sizes: Wall Thickness

1" (nominal)

Roll Width

48"

Sound Absorption Coefficients at Frequency

Thickness	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC
Nom. 1" (25mm)	0.03	0.25	0.84	0.27	0.30	0.17	0.40

Sound Transmission Class (STC)

Thickness	STC Class
Nom. 1" (25mm)	31



All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. 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. This document does not constitute nor is part of a legal offer to sell or to contract.

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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 3,135 employees and 24 production plants in 16 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.

For more information, please visit:
www.armacell.us
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