

Fiber Free

# AP/Spiralflex® Spiral Duct Liner

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. May reduce overall construction support costs
- 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 – 2010, ASHRAE Standard 189.1, IECC 2012 and California Title 24

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit [ul.com/gg](http://ul.com/gg).



Microban antimicrobial product protection is limited to the product itself and is not designed to protect the users of these products from disease causing microorganisms, or as a substitute for normal cleaning and hygiene practices.\*

## 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 ASTM E84	NFPA 90A, 90B NFPA 255	UL 181 UL 723
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### Approvals, Certifications, Compliances:

- GREENGUARD® Gold Certified.
- Made with EPA registered Microban® antimicrobial product protection.
- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.
- All Armacell facilities in North America are ISO 9001:2008 certified.

### Typical Properties

Specifications:	Values	Test Method:
	AP Spiralflex 1"	
<b>Thermal Conductivity:</b> Btu • in./h • ft <sup>2</sup> • °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)	
<b>Flame Spread and Smoke Developed Index:</b>	25/50 rated	ASTM E 84
<b>Mold Growth: Fungi Resistance: Bacterial Resistance:</b>	Passed	UL181 ASTM G21/C1338 ASTM G22
<b>Upper Use Limit:</b>	180°F (82°C)	ASTM C534
<b>Lower Use Limit:</b>	-297°F (-183°C)	ASTM C534
<b>Erosion Resistance:</b>	Does not break away, flake off or show evidence of delamination at velocities of 10,000 ft/min	ASTM C 1071
<b>Corrosiveness:</b>	Noncorrosive	ASTM C 665
<b>Odor Emissions:</b>	No objectionable odors	ASTM C 665

R-VALUE	R-4.2
	1"

Sizes: Wall Thickness	Roll Width
1" (nominal)	48"



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AP Spiralflex	Duct Liner	Submittal	022	Eng/USA	5/2016
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