



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 retardants, 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	UL 181
ASTM E84	UL 723
NFPA 90A, 90B	

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
	AP CoilFlex 1" (NBR based)	AP CoilFlex 1-1/2" (EPDM based)	
Thermal Conductivity: Btu • in/h • ft ² • °F (W/mK)			
75°F (24°C) Mean Temperature	0.25 (0.036)	0.28 (0.040)	ASTM C 177 or C 518
100°F (38°C) Mean Temperature	0.256 (0.037)	0.289 (0.040)	
Flame Spread and Smoke Developed Index:	25/50 rated	25/50 rated	ASTM E 84
Mold Growth:	Passed	Passed	ASTM G21/C1338
Fungi Resistance:	Passed	Passed	
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 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

* 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.

© Armacell, 2021. All rights reserved. Trademarks followed by ® or TM are trademarks of the Armacell Group.
Duct Liner | AP CoilFlex | TDS | 082021 | NA | EN-A | 021

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.

For more information:
www.armacell.us
info.us@armacell.com
 800-866-5638

