

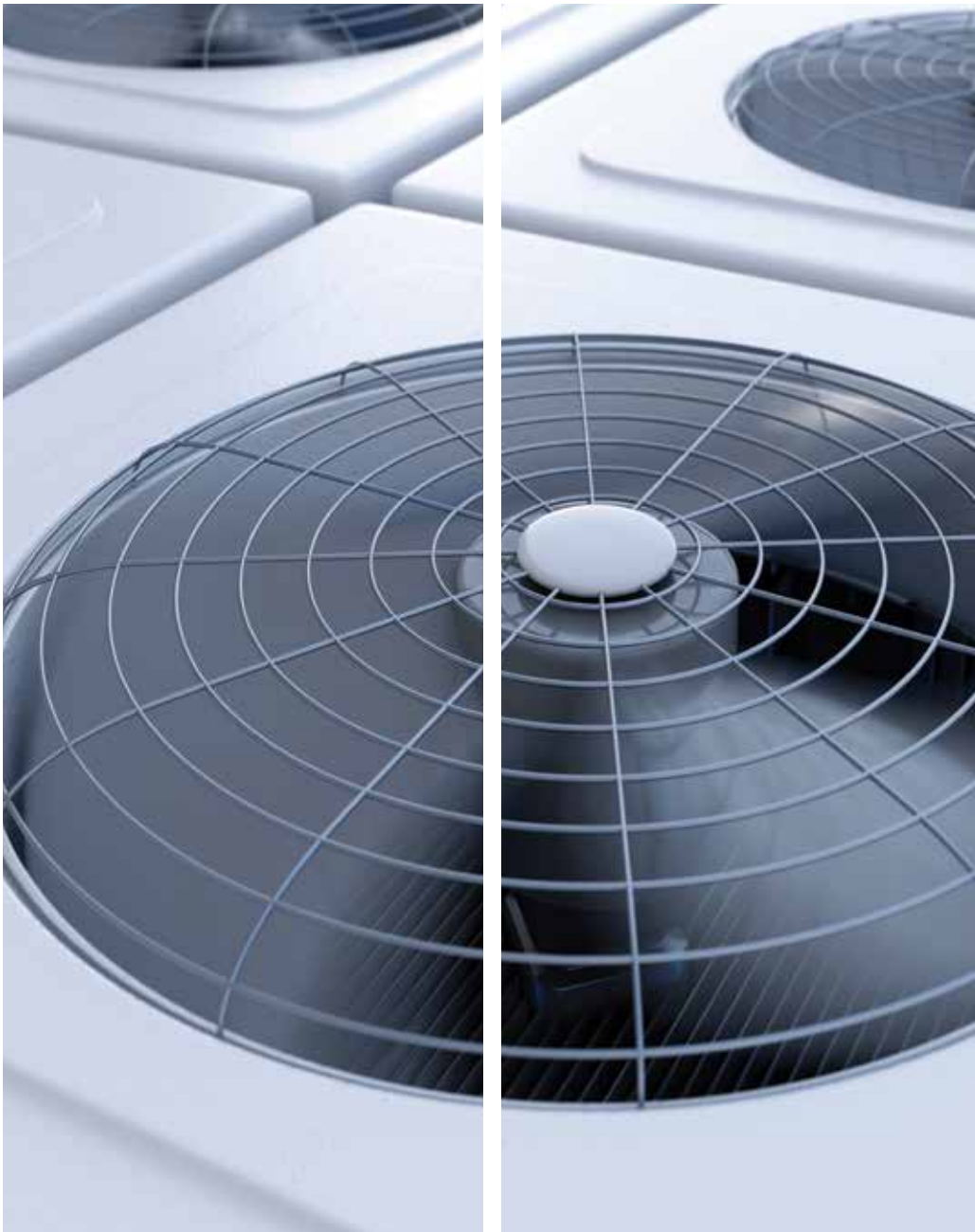
NO WASTE, FEWER SEAMS

ArmaFlex Coil

ArmaFlex® Coil is a continuous coil pipe insulation system designed for labor savings to minimize waste, reduce butt joints and is conveniently packaged in easy-handle cartons.

- // No waste, fewer seams
- // The Pro's choice for AC
- // Easy carry, easy store box
- // Year-round protection from freezing or sweating
- // Slides easily and quickly onto pipes
- // Conforms to NFPA 90A and NFPA 90B

www.armacell.us



 **armacell**[®]
ArmaFlex[®]

Technical Data: ArmaFlex Coil

Description

ArmaFlex Coil is a pipe insulation system designed for convenience and labor savings, offered in continuous length coils, designed to minimize waste and reduce butt joints. The pipe insulation is tough, but flexible, elastomeric thermal insulation, black in color, supplied as continuous-length unsplit tubing in several sizes. It is manufactured without the use of CFC's, HCFC's or HFC's. It is also formaldehyde free, fiber free, dust free and resists mold and mildew. Meets ASTM C534 Type I, Grade 1 specification.

Uses

ArmaFlex Coil is used to retard heat gain and control condensation drip from chilled water and refrigeration systems. It also efficiently reduces heat flow on hot systems. ArmaFlex Coil is engineered for air conditioning applications in which speed, ease of installation, convenient handling and on-site durability are of primary importance. Conforms to NFPA 90A and NFPA 90B requirements.

Installation

ArmaFlex Coil uncoils easily so it can be cut to desired lengths for longer runs with fewer seams. ArmaFlex Coil slides on pipes easier and faster because its specially formulated lubricating powder effectively reduces friction. Relaxed I.D. tolerances accommodate elbows and fittings. Installs with simple hand tools and ArmaFlex 520, 520 Black Adhesive or, where a low V.O.C. adhesive is required, ArmaFlex 520 BLV Adhesive.

Typical Properties

Specifications	Values	Test Method
Thermal Conductivity: Btu • in/h • ft ² • °F (W/mK)		
75°F mean temperature (24°C)	0.25 (0.036)	ASTM C 177 or C 518
90°F mean temperature (32°C)	0.256 (0.037)	
Water Vapor Permeability: Perm-in. [Kg/[s•m•Pa]	0.05 [0.725 x 10 ⁻¹³]	ASTM E 96, Procedure A
Flame Spread and Smoke Developed Index through 1" (25mm)	25/50 rated	ASTM E 84
Water Absorption, % by Volume:	0.2%	ASTM C1763, Procedure B
Mold Growth:	Meets requirements	ASTM G21/C1338
Fungi Resistance:		
Maximum Service Temperature: ¹	220°F (105°C)	—
Minimum Service Temperature: ²	-297°F (-183°C) *	—
Ozone Resistance:	Good	—

Sizes

Wall Thickness (nominal)	3/8" (10 mm), 1/2" (13 mm)
Inside Diameter, Tubular	5/8", 3/4", 7/8", 1-1/8"
Length of Sections, Feet, Tubular	Varies by I.D. (See below)

Coil Lengths

ID	Wall Thickness	Length, FT (m)	ID	Wall Thickness	Length, FT (m)
5/8"	3/8" (10 mm)	125' (38.1 m)	5/8"	1/2" (13 mm)	95' (28.9 m)
3/4"	3/8"	110' (33.5 m)	3/4"	1/2"	85' (25.9 m)
7/8"	3/8"	95' (28.9 m)	7/8"	1/2"	75' (22.9 m)
1-1/8"	3/8"	75' (22.9 m)	1-1/8"	1/2"	55' (16.8 m)

¹ On the heating cycle, ArmaFlex Coil Pipe Insulation will withstand temperatures as high as 220°F (105°C). 520, 520 Black or 520 BLV Adhesive may be used with pipe insulation applications up to 220°F (105°C).

² At temperatures below -20°F (-29°C), elastomeric insulation starts to become less flexible. However, this characteristic does not affect thermal efficiency or water vapor permeability of ArmaFlex insulation.

* For applications of -40°F to -297°F [-40°C to -183°C], contact Armacell.



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.

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our [Data Protection Policy](#).

© Armacell, 2022. All rights reserved. Trademarks followed by © or TM are trademarks of the Armacell Group.

ArmaFlex Coil | TDS | 102021 | NA | EN-A | 024

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 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
800-866-5638

