

Fiber Free

# Armaflex® COIL

Tube Insulation

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
- Acceptable for use in air plenums
- Conforms to NFPA 90A and NFPA 90B

 armacell®



## 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.

### 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. Armaflex Coil is acceptable for use in air plenums. 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.

Specifications:	Values:	Test Method:
<b>Thermal Conductivity:</b> Btu • in./h • ft <sup>2</sup> • °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)	
<b>Water Vapor Permeability:</b> Perm-in. [Kg/(s • m • Pa)]	0.05 (0.725 x 10 <sup>-13</sup> )	ASTM E 96, Procedure A
<b>Flame Spread and Smoke Developed Index through 1" (25mm)</b>	25/50 rated	ASTM E 84
<b>Water Absorption, % by Volume:</b>	0.2%	ASTM C 209
<b>Mold Growth:</b> <b>Fungi Resistance:</b> <b>Bacterial Resistance:</b>	Meets requirements	UL181 ASTM G21/C1338 ASTM G22
<b>Upper Use Limit:</b> <sup>1</sup>	220°F (105°C)	—
<b>Lower Use Limit:</b> <sup>2</sup>	-297°F (-183°C) *	—
<b>Ozone Resistance:</b>	GOOD	—
<b>Density, typical range:</b>	3.0 – 6.0 lbs./ft <sup>3</sup>	ASTM D 1662 or D 1667

### Sizes:

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

<sup>1</sup> 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).

<sup>2</sup> 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.

<sup>3</sup> For reference only.

\* For applications of -40°F to -297°F (-40°C to -183°C), contact Armacell.

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