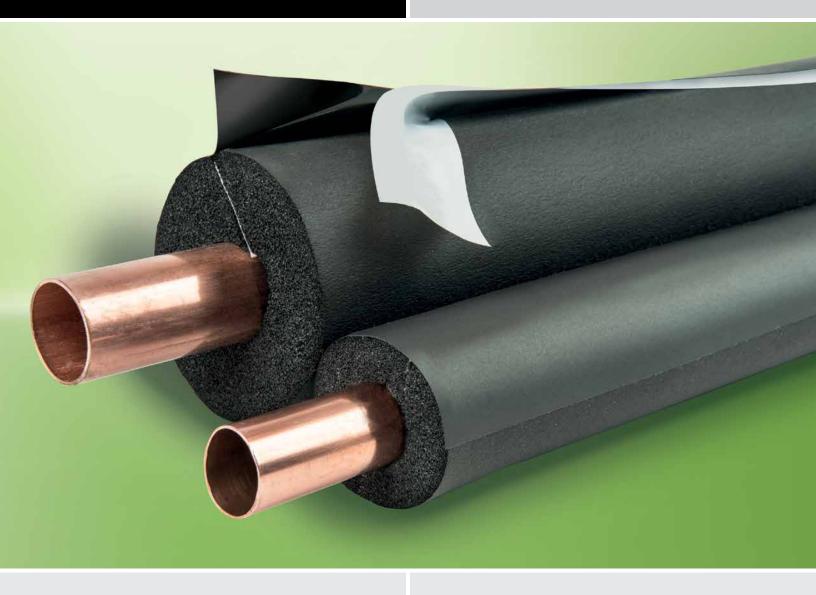
# AP/Armaflex® Black LapSeal™

Tube Insulation with Reinforced Lap Seal

The original flexible elastomeric pipe insulation with a new and improved lap seal for greater seam security and increased protection against condensation, mold and energy loss.



- Angled cut with more surface area for a better bond
- A single interior adhesive liner for quicker application
- New durable, low-profile lap seal with wider release tab, stays closed and looks neat
- Easy to install an excellent choice for retrofit applications
- 25/50 rated for use in air plenums
- Fiber-free, formaldehyde-free, low VOC and nonparticulating formulation protects indoor air quality
- Microban® antimicrobial product protection inhibits the growth of mold and mildew in the insulation











## Technical Data: AP Armaflex® Black LapSeal™ Tube Insulation

#### **Description:**

Black flexible closed-cell elastomeric thermal insulation in tubular form with a self-seal system reinforced with lap seal tape

#### Applications:

Insulation for piping associated with HVAC, VRV and VRF systems, chillers, hot and cold water, refrigeration

### **Specifications Compliance:**

ASTM C 534, Type I - Grade 1 **UL 723** ASTM G-21/C1338 ASTM E 84 NFPA 90A, 90B ASTM G-22 **NFPA 255** UL 181 ASTM D 1056, 2B1

#### Approvals, Certifications, Compliances:

- Key physical properties are approved by Factory Mutual.
   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 9001:2008 certified.

Specifications:	Values:		Test Method:
	3/8" through 1" Walls	1-1/2" and 2" Walls	
Thermal Conductivity: Btu • in./h •	ft² • °F (W/mK)		
75°F Mean Temperature (24°C) 90°F Mean Temperature (32°C)	0.245 (0.0353) 0.254 (0.0366)	0.28 (0.040) 0.286 (0.041)	ASTM C 177 or C 518
<b>Water Vapor Permeability:</b> Perm-in. [Kg/(s • m • Pa)]	0.05 (0.725 x 10 <sup>-13</sup> )	0.08 (1.16 x 10 <sup>-13</sup> )	ASTM E 96, Procedure A
Flame Spread and Smoke Developed Index:	25/50 rated	25/50 rated	ASTM E 84
Water Absorption, % by Volume:	0.2%	0.2%	ASTM C 209
Mold Growth: Fungi Resistance: Bacterial Resistance:	Passed	Passed	UL181 ASTM G21/C1338 ASTM G22
Upper Use Limit:	220°F (105°C)	220°F (105°C)	ASTM C534
Lower Use Limit: 1	-297°F (-183°C) <sup>2</sup>	-297°F (-183°C) <sup>2</sup>	ASTM C534
Ozone Resistance:	GOOD	GOOD	Ozone Chamber Test

Sizes:		
Wall Thickness (nominal) Form	3/8", 1/2", 3/4", 1", 1-1/2", 2" (10 mm, 13 mm, 19 mm, 25 mm, 38 mm, 50 mm)	
Inside Diameter, Tubular Form	er, Tubular Form 3/8"ID to 6" (10 mm to 153 mm)	
Length of Sections, Tubular Form	6' (1.8m)	
Outdoor Use  Painting with WB Finish or other protective jacketing is required to prevent damage to the insulation in exterior applications and to comply with the insulation protection sections of International Energy Conservation Code (IECC) and ASHRAE 90.1.		

<sup>1</sup> At temperatures below -20°F (-29°C), elastomeric insulation starts to become less flexible. However, this characteristic does not affect thermal efficiency and resistance to water vapor permeability of Armaflex insulation.

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<sup>&</sup>lt;sup>2</sup> For applications of -40°F to -297°F (-40°C to -183°C), contact Armacell.