

AP/Armaflex® Black LapSeal™

Tube Insulation with
Reinforced Lap Seal

Fiber Free

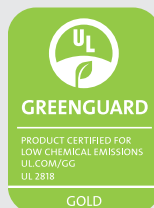
The original flexible elastomeric pipe insulation with a new and improved lap seal for greater seam security and increased protection against condensation, mold and energy loss.



- 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 non-particulating formulation protects indoor air quality
- Microban® antimicrobial product protection inhibits the growth of mold and mildew in the insulation

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.

 **armacell®**



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 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

Specifications Compliance:

ASTM C 534, Type I – Grade 1
ASTM E 84
NFPA 255

UL 723
NFPA 90A, 90B
UL 181

ASTM G-21/C1338
ASTM G-22
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.

Typical Properties

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

Tamaños:

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	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 for exterior applications.

¹ 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.

² For applications of -40°F to -297°F (-40°C to -183°C), contact Armacell.

ARMACELL LLC
TEL: 800.866.5638
FAX: 919.304.3847

info.us@armacell.com
www.armacell.us
7600 Oakwood Street Extension, Mebane, NC 27302



Armacell provides this information as a technical service. To the extent the information is derived from sources other than Armacell, Armacell is substantially, if not wholly, relying upon the other source(s) to provide accurate information. Information provided as a result of Armacell's own technical analysis and testing is accurate to the extent of our knowledge and ability, as of date of printing, using effective standardized methods and procedures. Each user of these products, or information, should perform their own tests to determine the safety, fitness and suitability of the products, or combination of products, for any foreseeable purposes, applications and uses by the user and by any third party to which the user may convey the products. Since Armacell cannot control the end use of this product, Armacell does not guarantee that the user will obtain the same results as published in this document. The data and information are provided as a technical service and are subject to change without notice. * 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. Microban International, Ltd. makes neither direct nor implied health claims for the products containing Microban® antimicrobial product protection. Data, photomicrographs and information presented are based on standard laboratory tests and are provided for comparative purposes to substantiate antimicrobial activity for non-public health uses. Microban is a registered trademark of Microban International, Ltd.