

AP/ARMAFLEX TUBES - Proven Performance Leader, Mold Resistant

- » Superior condensation control
- » Made with Microban® antimicrobial product protection
- » The "IAQ Insulation™"
- » Dust free, fiber free, closed cell

Description

Mold resistant AP/Armaflex Pipe (Tube) Insulation is a flexible elastomeric thermal insulation, black in color, supplied as unsplit tubing, in:

- » nominal wall thicknesses of 3/8", 1/2", 3/4", 1" and 1-1/2" (10, 13, 19, 25 and 38mm)
- » popular sizes up to 6" IPS.

The expanded closed-cell structure of AP/Armaflex Pipe Insulation makes it an efficient insulation. It is manufactured without the use of CFC's, HFC's or HCFC's. It is also formaldehyde free, low VOCs, fiber free, dust free and resists mold and mildew. All AP Armaflex products are made with Microban® antimicrobial product protection for added defense against mold on the insulation.

Uses

AP/Armaflex Pipe Insulation is used to retard heat gain and control condensation drip from chilled water and refrigeration systems. It also efficiently reduces heat flow for hot-water plumbing and liquid-heating and dual temperature piping. The recommended temperature usage range for AP/Armaflex Pipe Insulation is -297°F to +220°F (-183°C to +105°C).

For use on cold pipes, AP/Armaflex Pipe Insulation thicknesses have been calculated to control condensation on the insulation outer surface, as shown in the table of thickness recommendations.

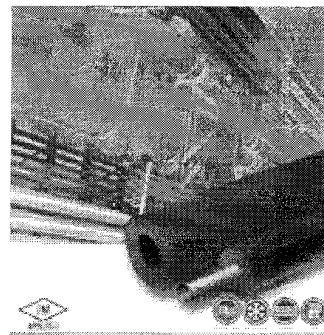
AP/Armaflex Insulation is acceptable in wall thicknesses through 1-1/2" (38mm) for use in air plenums. Conforms to NFPA 90A and NFPA 90B requirements.

AP/Armaflex meets the energy code requirements of ASHRAE 90.1, ASHRAE 90.2, International Energy Conservation Code (IECC) and other building codes.

Factory Mutual Approvals System

AP/Armaflex is approved through continuing supervision by Factory Mutual Approvals to consistently provide actual values on these key performance criteria for mechanical system insulation:

- » Thermal Conductivity: 0.25 BTU-in/hr sq.ft °F



Related information

Physical Properties

R-Values

Material Safety Data Sheet

Product Range

Application Instructions

Master Insulation Guide

Installation Guide

Submittal Sheet: **English**

Submittal Sheet: **French**

Submittal Sheet: **Spanish**

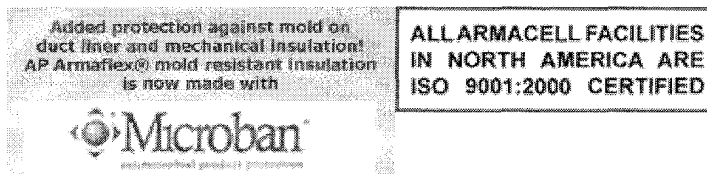
- » Water Vapor Transmission: 0.05 perm-inch
- » Fire Rating: will not contribute significantly to fire (simulated end-use testing).

AP/Armaflex Pipe Insulation, in thicknesses through 1-1/2" (38mm) has a flame-spread index of less than 25 and a smoke-developed index of less than 50 as tested by ASTM E 84-03 and CAN/ULC S-102, "Method of Test for Surface Burning Characteristics of Building Materials" through 1-1/2" wall thickness.

Note: Numerical flammability ratings alone may not define the performance of products under actual fire conditions. They are provided only for use in the selection of products to meet limits specified.

Resistance to Moisture Vapor Flow

The closed-cell structure of AP/Armaflex prevents moisture from wicking and makes it an efficient insulation. AP/Armaflex normally requires no supplemental vapor-retarder protection. Additional vapor-retarder protection may be necessary for AP/Armaflex when installed on very-low-temperature piping or where exposed to continually high humidity conditions.



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Date of Release: [print friendly page](#)

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