

Fiber Free

AP/Armaflex® Insulation Tape

The mold resistant, elastomeric, AP/Armaflex pressure sensitive insulation tape that provides a fast, easy method of insulating pipes and fittings



- High-quality AP/Armaflex insulation
- Fast on difficult pipes and fittings
- Controls condensation and heat loss
- Clean, smooth appearance



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 Insulation Tape

Description:

A black, closed cell, mold resistant, elastomeric thermal insulation for insulating pipes and fittings

Specifications Compliance:

| | | | |
|--|--|-------------------------------|--|
| ASTM C 534, Type I — Grade 1 ASTM E 84, NFPA 255, UL 723 CAN/ULC S102 | NFPA 90A, 90B UL 181 ASTM G-21/C1338 | ASTM G-22 ASTM D 1056, 2B1 | Grade SBE 3 MEA 96-85-M City of LA – RR 7642 |
|--|--|-------------------------------|--|

Approvals, Certifications, Compliances:

- Key physical properties are approved by Factory Mutual.
- Made with EPA registered Microban® antimicrobial product protection.
- Manufactured without CFCs, HFCs, HCFCs, PBDEs, or Formaldehyde.
- All Armacell facilities in North America are ISO 9001:2008 certified.

Typical Properties

| Specifications: | Values | Test Method: |
|---|-----------------------------------|---------------------------|
| Thermal Conductivity: Btu • in./h • ft ² • °F (W/mK) 75°F Mean Temperature [24°C] 90°F Mean Temperature [32°C] | 0.25 (0.036) 0.256 (0.037) | ASTM C 177 or C 518 |
| 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: | 25/50 rated | ASTM E 84 Can/ULC S102 |
| Mold Growth: | UL181 | UL181 |
| Fungi Resistance : | ASTM G21/C1338 | ASTM G21/C1338 |
| Bacterial Resistance: | ASTM G22 | ASTM G22 |
| Upper Use Limit: ² | Up to 180°F (82°C) | ASTM C534 |
| Lower Use Limit: ² | -297°F (-183°C) ³ | ASTM C534 |
| Ozone Resistance: | GOOD | — |

Thickness Recommendations:

Thickness recommendations to control sweating and dripping based upon available manufactured thicknesses and not intended to supersede any state or local building codes.

| Air Temperature and Relative Humidity | Pipe Temperature | |
|---------------------------------------|-------------------------------|------------------------------|
| | 50 °F* (10 °C) | 35 °F** (2 °C) |
| 80°F (27°C) & 50% RH | 50% overlap | 50% overlap |
| 85°F (30°C) & 70% RH | 50% overlap plus single layer | 50% overlap plus 50% overlap |

* Up to 2-5/8" ID – 3/8" (10 mm) required; 3-1/8" ID – 5" IPS – 1/2" (13 mm) required

** Up to 2-5/8" ID – 1/2" (13 mm) required; 3-1/8" ID – 5" IPS – 3/4" (19 mm) required

Approximate Coverage:

Linear feet [Linear Meters] of pipe – one 30-ft (9.1 m) roll

| Copper Tubing Size | Installation Methods* | | | | | | Iron Pipe Size | Installation Methods* | | | | | |
|--------------------|-----------------------|--------|----------|--------|----------|--------|----------------|-----------------------|--------|----------|--------|----------|--------|
| | A | | B | | C | | | A | | B | | C | |
| | lin. ft. | lin. m | lin. ft. | lin. m | lin. ft. | lin. m | | lin. ft. | lin. m | lin. ft. | lin. m | lin. ft. | lin. m |
| 3/8" OD | 15-1/4 | [4.6] | 8-1/2 | [2.6] | 15-1/4 | [1.7] | 1/4" IPS | 12 | [3.7] | 7 | [2.1] | 4-1/2 | [1.4] |
| 1/2" OD | 12-3/4 | [3.9] | 7-1/4 | [2.2] | 12-3/4 | [1.5] | 3/8" IPS | 10-1/4 | [3.1] | 6 | [1.8] | 4 | [1.2] |
| 5/8" OD | 11 | [3.4] | 6-1/2 | [2.0] | 11 | [1.2] | 1/2" IPS | 8-3/4 | [2.7] | 5-1/4 | [1.6] | 3-1/2 | [1.1] |
| 3/4" OD | 9-1/2 | [2.9] | 5-3/4 | [1.8] | 9-1/2 | [1.1] | 3/4" IPS | 7-1/4 | [2.2] | 4-1/4 | [1.3] | 3 | [0.9] |
| 7/8" OD | 8-1/2 | [2.6] | 5 | [1.5] | 8-1/2 | [1.1] | 1" IPS | 6 | [1.8] | 3-3/4 | [1.1] | 2-1/2 | [0.8] |
| 1" OD | 7-1/2 | [2.3] | 4-1/2 | [1.4] | 7-1/2 | [1.0] | 1-1/4" IPS | 5 | [1.5] | 3 | [0.9] | 2-1/4 | [0.7] |
| 1-1/8" OD | 7 | [2.1] | 4-1/4 | [1.3] | 7 | [0.9] | 1-1/2" IPS | 4-1/2 | [1.4] | 2-3/4 | [0.9] | 2 | [0.6] |
| 1-3/8" OD | 6 | [1.8] | 3-1/2 | [1.1] | 6 | [0.8] | 2" IPS | 3-1/2 | [1.1] | 2-1/4 | [0.7] | 1-3/4 | [0.5] |
| 1-5/8" OD | 5 | [1.5] | 3-1/4 | [1.0] | 5 | [0.7] | — | — | — | — | — | — | |
| 2-1/8" OD | 4 | [1.2] | 2-1/2 | [0.8] | 4 | [0.5] | — | — | — | — | — | — | |

* INSTALLATION METHODS: A – 50% overlap wrapping; B – 50% overlap plus single-layer wrapping; C – 50% overlap wrapping plus overlap wrapping

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