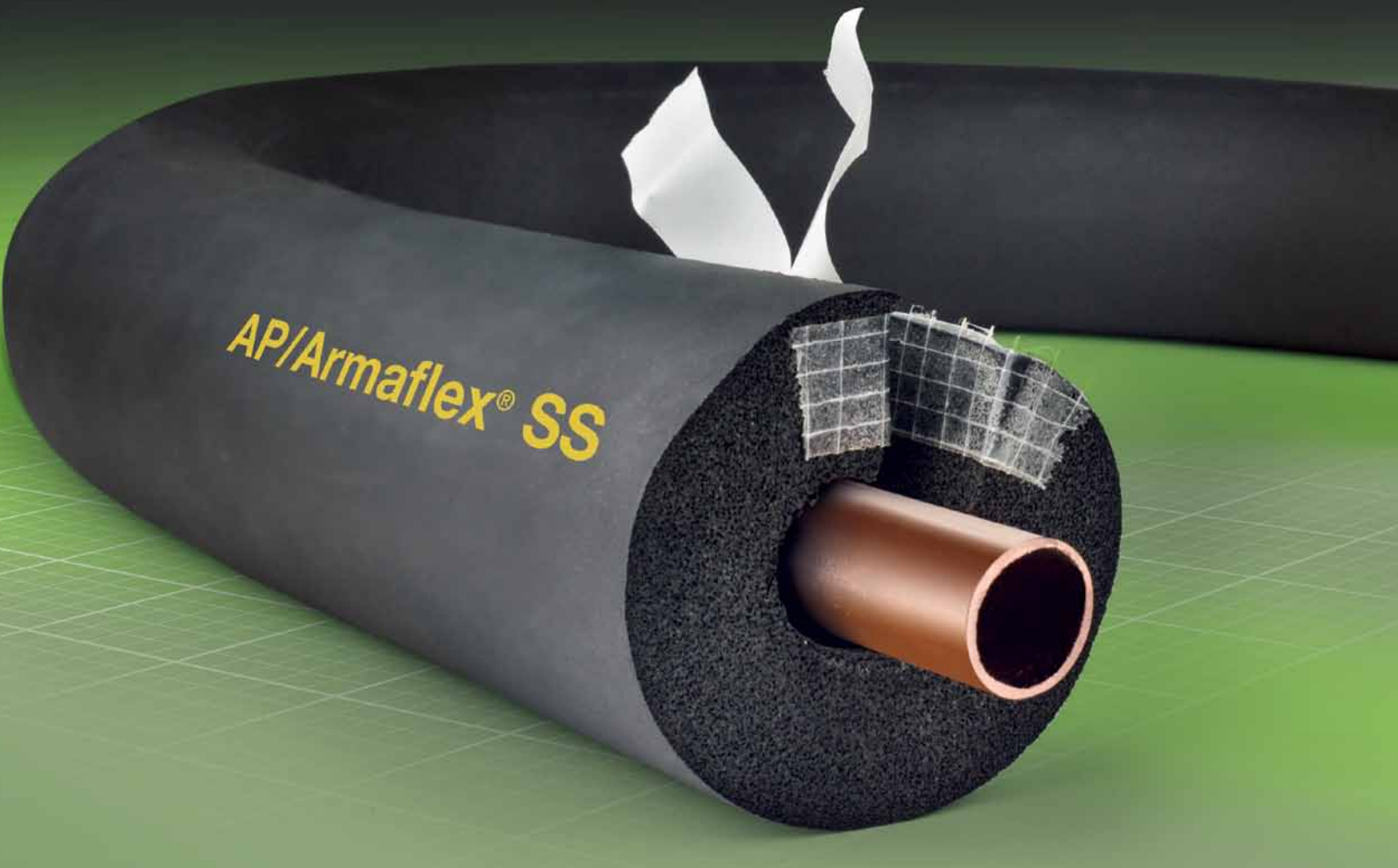


Fiber Free

AP/Armaflex[®] SS

Self-Seal Tube Insulation

The original, fiber-free flexible elastomeric pipe insulation – with a labor-saving self-seal system – for reliable protection against condensation, mold and energy loss



- Fiber-free, formaldehyde-free, low VOC and non-particulating formulation protects indoor air quality
- Closed-cell structure provides excellent condensation and energy loss control. Built-in vapor barrier eliminates need for additional vapor retarder
- Microban[®] antimicrobial product protection provides exceptional mold resistance
- 25/50 rated for use in air plenums
- Wall thicknesses up to 1"
- Self-seal system makes application easy and reduces installation time



Technical Data: AP Armaflex® SS Self-Seal Tube Insulation

Description:

Black flexible elastomeric thermal insulation in tube form with self-seal strips

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 MIL-P-15280J, FORM T | MIL-C-3133C (MIL STD 670B), Grade SBE 3 MEA 96-85-M City of LA – RR 7642 |
|--|--|---|---|

Approvals, Certifications, Compliances:

- Key physical properties are approved by Factory Mutual.
- GREENGUARD® Children & Schools Indoor Air Quality 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: |
|---|-----------------------------------|-------------------------------------|
| Thermal Conductivity: Btu • in./h • ft ² • °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) | |
| 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 |
| Water Absorption, % by Volume: | 0.2% | ASTM C 209 |
| Mold Growth: Fungi Resistance: Bacterial Resistance: | Passed | UL181 ASTM G21/C1338 ASTM G22 |
| Upper Use Limit: | 180°F (82°C) | ASTM C534 |
| Lower Use Limit: ¹ | -297°F (-183°C) ² | ASTM C534 |
| Ozone Resistance: | GOOD | Ozone Chamber Test |

Sizes:

| | |
|-----------------------------------|---|
| Wall Thickness (nominal) | 3/8", 1/2", 3/4", 1" (10, 13, 19, 25mm) |
| Inside Diameter, Tubular | 5/8" ID to 4" ID (15mm ID to 114mm) |
| Length of Sections, Feet, Tubular | 6' (1.8m) |

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.

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