YOUR CHOICE FOR PROVEN PERFORMANCE.
FIRST FIRE GRADE FLEXIBLE INSULATION.
Professional performance with very low fire and smoke indices.
FR/Armaflex is a highly flexible, closed cell, CFC-free, Australian Made, grey elastomeric insulation. It provides a highly efficient method of insulating against both heat loss and heat gain and controls condensation. Over 30 years of practical experience around the world combined with intensive and on-going research and development make FR/Armaflex the preferred choice. Another quality product from Armacell. Available in a wide range of sizes.

**Tube:**

Available in a wide range of sizes. Quick and easy to install, either by sleeving onto the pipe as the job progresses or using slit lengths to snap onto finished pipework and then sealed using durable Armaflex adhesive.

**Sheet:**

The ideal choice when insulating tanks, ductwork, large pipes or irregular shapes. Less cutting and bonding makes it easy to install and means more profit! The optimum in economics.
FR/Armaflex is particularly suitable for insulating pipework for energy conservation and controlling condensation. It can be used on hot and cold water services, chilled water lines, heating systems, air conditioning duct work and refrigeration pipework.

Armaflex® products are recognized around the world as premium quality insulation materials. Armaflex® success is based on an unceasing commitment to quality!

**Fire and Smoke Performance**
FR/Armaflex has been specifically developed for use in buildings where the highest standards of fire and smoke protection are necessary. It has excellent results in the fire and smoke indices to AS 1530 Part 3, 1999: a 0 rating in Spread of Flame and a 3 rating in Smoke Developed, which meet the requirements of the Building Code of Australia, Class 2 to 9 buildings.

**Water Vapour Resistance Factor (µ factor) 4500**
FR/Armaflex has a closed cell structure which is a ‘built-in’ vapour barrier with a very high resistance to water vapour transmission. The high 4500µ factor further enhances the product’s resistance to water vapour enabling the insulation material to maintain a high level of efficiency.

**Engineered Wall Thickness**
The engineered wall concept provides a constant surface temperature for a nominal wall thickness under a given set of environmental and service conditions. In practice this means that the actual wall thickness of FR/Armaflex is increased as the pipe size increases. A wall thickness requirement for a range of pipe sizes operating with the same line temperature in the same environment can therefore be determined by carrying out just one calculation.

**Ease of Installation**
FR/Armaflex is highly flexible material, making it quick and easy to install, either by sleeving onto pipework as the job progresses or, if this is not possible by using slit lengths which can be snapped onto finished pipework and sealed using Armaflex adhesive.
### Application Range:

**Temperature Range**
- Minimum Line Temperature: -40°C*
- Maximum Line Temperature: +105°C
- Flat Surface and Tape: +85°C

### Thermal Conductivity:

- **ASTM C518**
  - Mean Temperature: -20℃, 0℃, +20℃
  - Thermal Conductivity: 0.033, 0.036, 0.038 W/(m.K)

### Water Vapour Permeability:

- **ASTM E96**
  - Resistance Factor: μ ≥ 4500
  - Water Vapour Permeability: 4.33 x 10⁻¹⁴ kg/(Pa.s.m.)

### Fire Behaviour:

1. **Fire Performance**
   - AS 1530 Part 3, 1999
   - Ignitability: . . . 0
   - Spread of flame: . . . 0
   - Heat evolved: . . . 0
   - Smoke developed: . . . 3
   - Self extinguishing, does not generate flaming droplets.
   - Nil flame spread.
   - Low Smoke

2. **Physical Behaviour**

### Noise Reduction:

- **DIN 4109**
  - Acoustic Level: to 30 db (A)

### Resistance:

1. **Ozone Resistance**
2. **To Building Materials**
3. **To Chemicals**
   - Excellent
   - Very good
   - Consult our Technical Department

### Dimensions:

- **Standard Tube**
  - 2m lengths
- **Flat Sheet**
  - 1m x 1.5m

### Outdoor Applications:

- FR/Armaflex should be painted with Armaflex Finish to the recommended thickness.
- Two or more coats recommended.

* If lower temperatures are involved please consult our Technical Department, Telephone: (03) 8710 5999

### Accessories:

- **Armaflex Adhesive**
  - A low viscosity for bonding Armaflex Insulation.

- **Armaflex Finish**
  - Water based, protective, flexible paint in white for Armaflex. All outdoor installations must be protected.

- **FR/Armaflex Insulating Tape**
  - Self adhesive Insulating Tape ideal for insulating fittings and short lengths of pipe in hard to reach areas.

- **Armaflex Slitting Knife**
  - A useful tool for slitting Armaflex tube in one, quick, simple operation.

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All statements and technical information are based on results obtained under typical conditions. It is the responsibility of the recipient to verify with us that the information is appropriate for the specific use intended by the recipient.

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### Also available:

#### Self-Seal Tube

**Benefits include:**
- Faster Application
- Easier to Apply
- Time and Cost Saving

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#### Conti-Coil

**Benefits include:**
- Smaller Storage Space
- Less Waste
- Less Condensation Risk