Foil faced closed cell physically crosslinked polyolefin foam insulation that is tested and classified in accordance with ISO 9705 Full Scale Room Fire Test.
Thermobreak® 9705 is a closed cell, physically crosslinked foam insulation, with factory applied reinforced foil. Thermobreak® 9705 is tested and classified (CSIRO COA#1874) in accordance with ISO 9705 Full Scale Room Fire Test, and provides a means of compliance with relevant fire property requirements of the Building Code of Australia and the Building Code of New Zealand.

**Benefits**

- Heat bonded factory applied foil
- Pre-slit for faster installation
- Superior insulating properties compared to other flexible closed cell foams
- High vapour resistance
- Anti-microbial
- Green Star Compliant (VOC)
- Manufactured in Australia

**Product Description**

**Technical Data**

**Material:** Irradiation (physically) crosslinked closed cell polyolefin foam with factory applied reinforced foil.

- **Density:** 25kg/m³ (foam core only)
- **Thermal Conductivity:** 0.032 W/mk @ 23° C mean temperature
- **Water Vapour Permeability:** 2.3 x 10⁻¹⁵ kg/Pa.s.m
- **Water Vapour Permeance:** 0.000195 μg/N.s
- **Permeability Resistance Factor:** μ > 80,000
- **Water Absorption by Volume:** < 0.2% v/v
- **Operating Temperature:** -80°C to 100°C
- **Resistance to Fungi:** Zero Growth
- **Ozone Resistance:** Excellent
- **Operating Temperature:** -80°C to 100°C
- **Leachable Chlorides:** < 12 ppm (< 0.0012% w/w)

**Fire & Smoke Behaviour**

ISO 9705 (25mm):
- Group 2 Classification (BCA)
- Group 2 S Classification (BCN2)

- **AS1530.3(1999):**
  - Spread of Flame Index: 0
  - Heat Evolved Index: 0
  - Ignitability Index: 0
  - Smoke Developed Index: 0-1

- **BS 476 Parts 6&7:**
  - Class O

**Size Availability**

Thermobreak® 9705 is available in a range of sizes for pipes and ducts.

- **Tube:** Standard pipe OD’s from 12mm to 273mm with wall thicknesses up to 55mm.
- **Ducts:** Rolls (1200mm wide) from 5mm to 25mm thick
- **Sheets:** (1200mm x 2400mm) from 30mm to 50mm thick.