

THERMOBREAK™

Thermal Insulation

Closed cell
foil-faced pipe
insulation



- BS 476 Class "0"
- AS 1530.3
- ISO 5659-2
- UL94



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Features

- > Completely closed cell, flexible pipe insulation with factory applied reinforced aluminium foil.
- > Tough and durable
- > Highest Vapour diffusion resistance . No more chilled water pipe condensation.
- > Best insulating properties amongst flexible closed cell foams.
- > Conforms to ISO 5659-2 "Smoke Density and Toxicity"
- > Contains no chlorinated or dangerous combustion compounds.
- > No cladding required
- > UL Recognised Component

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Technical Data

Material:	Electron beam crosslinked polyolefin foam
Density:	25 Kg / m3 (foam core only)
Thermal Conductivity: (ASTM C518)	0.032 W/mK (@ 23C mean temperature)
Water Vapour Permeability: (ASTM E96)	8.19 X 10 ⁻¹⁵ Kg / Pa.s.m (0.029 mg.m / N.h)
Water Vapour Permeance:	3.3 X 10 ⁻⁴ g / M.N.s
Permeability resistance factor:	μ>10,000
Water absorption by volume:	0.8% (after 28 days)
Resistance to Fungi:	Excellent
Ozone Resistance:	Excellent
Noise Reduction Coefficient:	0.15

Size Availability

Iron Pipe

Tube length: 2 metres		25mm wall thickness		19mm wall thickness		13mm wall thickness	
ID Size I.P.S. Inches	Thermobreak Tube ID (mm)	Code	Metres /carton	Code	Metres /carton	Code	Metres /carton
1/2"	22	25x22	80	19x22	108	13x22	160
3/4"	27	25x28	70	19x28	96	13x28	140
1"	34	25x34	62	19x34	80	13x34	118
1 1/4"	42	25x42	48	19x42	62	13x42	96
1 1/2"	48	25x48	46	19x48	48	13x48	76
2"	60	25x60	34	19x60	40	13x60	60
2 1/2"	76	25x76	26	19x76	28	13x76	40
3"	89	25x89	20	19x89	26	13x89	32
4"	115	25x115	16	19x115	18	13x115	24
5"	140	25x140	12	19x140	14	13x140	16

Fire and Smoke Behaviour

BS 476 part 7: Class 1
Surface spread of Flame

BS 476 part 6: Class 0
Fire Propagation

AS 1530.3 (1989)
Spread of Flame index: 0
Heat Evolved Index: 0
Ignability index: 0
Smoke Develop. Index: 0-1

UL94: HF-1

ISO 5659-2 (1994) Smoke Density & Toxicity
(with gas analysis)

Smoke Density : Dm < 200

Smoke Toxicity: Satisfies max allowable concentrations for the following combustion gases
CO, HCL, HBr, HF, HCN, NOx, SO2

* All tests are certified by independent laboratories.