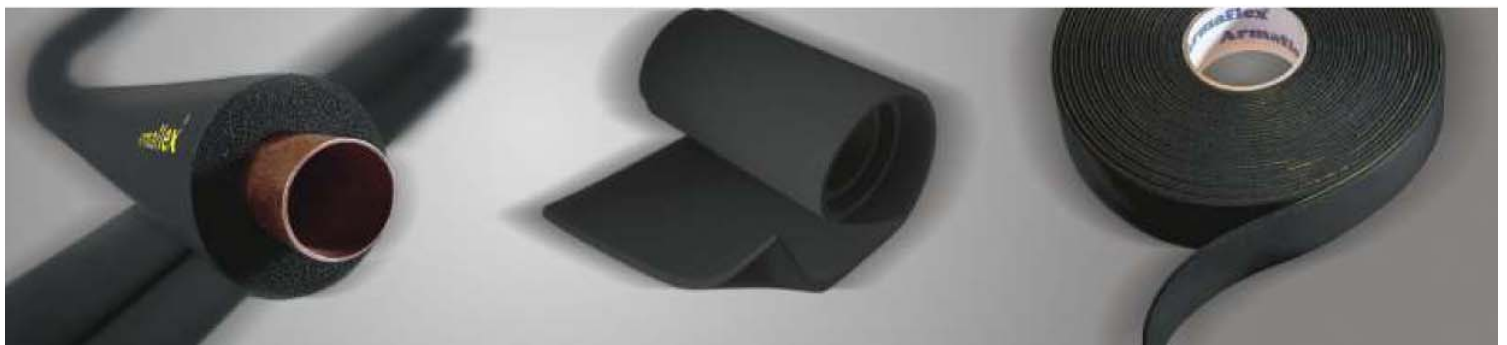


Class 0 Armaflex

Professional Insulation that Prevents Condensation and Energy Losses

- » Built-in Vapour Barrier Prevents Condensation
- » Reduces Energy Losses
- » Easy to Apply



Class O Armaflex®

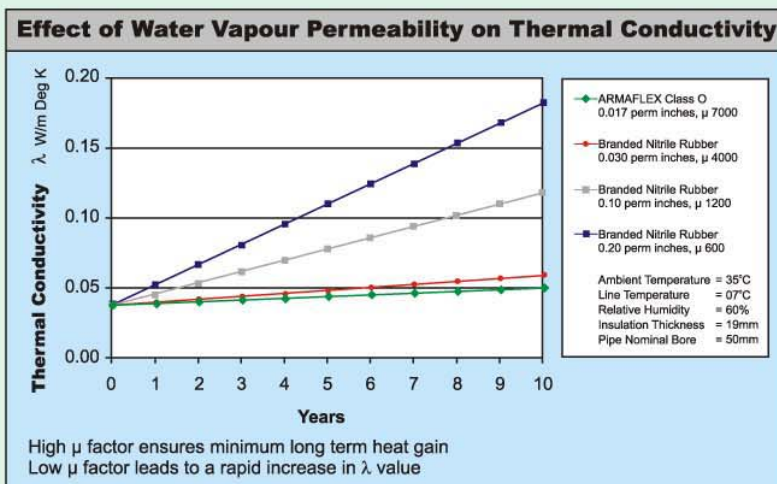
The competitive advantages of specifying Class O Armaflex

- » Lightweight and flexible means easy and speedy installation with low maintenance, resulting in time and cost savings
- » Wide range of tube and sheet sizes available
- » The low thermal conductivity, $\lambda 0.035 \text{ W/(m.k)}$ at 0°C , and good acoustic performance provide double benefits with one insulation system
- » Closed cell structure provides a very efficient built-in vapour barrier
- » A high, $\mu 7000$, resistance to water vapour transmission and water ingress, gives long term insulation efficiency for condensation control
- » Class O fire category means low fire propagation index, producing minimal contribution to overall heat release, and a zero surface spread of flame for a high degree of fire protection and safety
- » Excellent resistance to the effects of ozone, oil, chemicals
- » Dust, fibre, CFC and HCFC free with an ODP of zero



Water Vapour Permeability

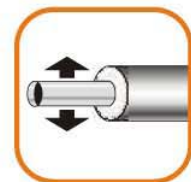
The moisture diffusion resistance factor, μ factor, is a dimensionless number describing how many times better a material is at resisting the diffusion of water vapour, compared with an equivalent thickness of air. A high μ factor as with Class O Armaflex demonstrates a superior long term performance of the insulation to resist the diffusion of water vapour.



Fire performance



Condensation control




Energy conservation



Frost protection

Technical Data



	Values	Remarks
Material	Foamed nitrile rubber	
Temperature Range	Max. Surface Temperature +105°C Max. Temperature for Flat Surface +85°C Min. Surface Temperature -40°C*	*Please consult our Technical Department for low temperatures down to -200° C
Thermal Conductivity at 0°C	0.035 W/m Deg K	Testing according to DIN 52 612, DIN 52 613
Thermal Conductivity at +20°C	0.037 W/m Deg K	
Thermal Conductivity at +40°C	0.039 W/m Deg K	
Water Vapour Permeability	Moisture Resistance Factor $\mu > 7,000$ 2.48×10^{-14} kg/(m.s.Pa) 8.91×10^{-11} kg/(m.hr.Pa)	Testing according to DIN 52 615
Water Absorption	0.9% average volume after 28 days 1.5% maximum volume after 28 days	
Fire Propagation	Total Index Performance (I) Less than or equal to 12 Sub Index (i ₁) Less than or equal to 6	Surface Spread of Flame according to BS 476 Part 7: 1997 Fire Propagation according to BS 476 Part 6: 1997
Fire Performance	CLASS 0	As per building regulations (England & Wales) for Class O fire category
Reaction to fire	Self-extinguishing, does not drip	
Noise Reduction	Acoustic level upto 30dB (A)	Installation noise normal (IGN) according to DIN 52 218
Resistance to	Building Materials Very Good Ozone Very Good	
Health Aspects	Dust & Fibre Free	

Outdoor applications should be painted with Armafinish FR paint to the recommended thickness. Two or more coats may be required.

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility clarify with us whether or not the data & information apply to the intended application area.

Tube Size Range

Copper Tube			Iron & Steel Pipe		Minimum ID Armaflex	Nominal Thickness 9 mm	Nominal Thickness 13 mm	Nominal Thickness 19 mm	Nominal Thickness 25 mm	Nominal Thickness 32 mm
NB in	Nom OD in	Nom OD mm	NB in	Nom OD mm	Min ID mm	Ref.	Ref.	Ref.	Ref.	Ref.
	1/4	6			6.5	9 x 006*	13 x 006*			
	3/8	10			10.5	9 x 010*	13 x 010	19 x 010		
3/8	1/2	12			12.5	9 x 012*	13 x 012	19 x 012	25 x 012	
1/2	5/8	15			16	9 x 015	13 x 015	19 x 015	25 x 015	
			3/8	17	20	9 x 020*	13 x 020*	19 x 020*	25 x 020*	32 x 020
3/4	7/8	22	1/2	21.3	22.5	9 x 022	13 x 022	19 x 022	25 x 022	32 x 022
	1	25			25	9 x 025*	13 x 025*	19 x 025*	25 x 025*	32 x 025*
1	1 1/8	28	3/4	26.9	29	9 x 028	13 x 028	19 x 028	25 x 028	32 x 028
1 1/4	1 3/8	35	1	33.7	35.5	9 x 035	13 x 035	19 x 035	25 x 035	32 x 035
1 1/2	1 5/8	42	1 1/4	42.4	43.5	9 x 042	13 x 042	19 x 042	25 x 042	32 x 042
	1 3/4	45			45	9 x 045*	13 x 045*	19 x 045*	25 x 045*	32 x 045*
			1 1/2	48.3	49	9 x 048	13 x 048	19 x 048	25 x 048	32 x 048
2	2 1/8	54	2	60.3	61	9 x 054	13 x 054	19 x 054	25 x 054	32 x 054
					65		13 x 060	19 x 060	25 x 060	32 x 060
2 1/2	2 5/8	67			65		13 x 067*	19 x 067*	25 x 067*	32 x 067*
2 13/16	3	76.1	2 1/2	76.1	77		13 x 076	19 x 076	25 x 076	32 x 076
3	3 1/8	80			81		13 x 080*	19 x 080*	25 x 080*	32 x 080*
			3	88.9	90		13 x 089*	19 x 089	25 x 089	32 x 089
			3 1/2	101.6	103.5		13 x 102*	19 x 102*	25 x 102*	
4	4 1/4	108			109		13 x 108*	19 x 108*	25 x 108*	
			4	114.3	115.5		13 x 114*	19 x 114*	25 x 114	32 x 114

Sheet in Jumbo Rolls 1000 mm wide	
Sheet Thickness mm	Sq meters per Roll
6	34
9	23.5
13	17
16	15
19	12
25	9
32	7
ARMAFLEX SELF-ADHESIVE TAPE	
Width	: 50mm, *150mm
Thickness	: 3mm, *6mm
Length	: 15m, 30m
ARMAFLEX ADHESIVE 520	
Supplied in cans of	
2.5 ltrs / can	
8 cans / carton	

Sheets also available with self adhesive backing

* Delivery quoted on request and minimum order quantity required for manufacturing