



*New!* Class O Armaflex with  
In-Built Anti-Microbial Protection



## Class O Armaflex®

**The insulation system engineered to prevent condensation and energy losses**

*New* Built-In Anti-Microbial Protection Reduces Mould and Bacteria Growth

- ▶ Built-In Vapour Barrier Prevents Condensation
- ▶ Reduce Energy Losses Up to 87%
- ▶ Ease of Application








**Class O Armaflex** is the flexible, closed cell, elastomeric, nitrile rubber insulation that offers reliable protection against condensation and effectively prevents energy loss.

Class O Armaflex is dust free, fibre free and CFC free with an ODP of zero. Its inherent attributes and combination of properties makes Armaflex a highly efficient method of insulating hot and cold water services, chilled water lines, heating systems, air conditioning ductwork and refrigerated pipework for condensation control, energy conservation and frost protection.

**New** Built-in anti-microbial protection reduces mould and bacteria growth

- ▶ Built in vapour barrier prevents condensation
- ▶ Reduces energy losses by up to 87%
- ▶ Lightweight and flexible, quick and easy installation with low maintenance requirements, resulting in time and cost savings
- ▶ Excellent resistance to the effects of ozone, oil and chemicals  
(consult product test list)



Technical Data		Remarks
<b>Material</b>	Values	Remarks
	Foamed nitrile rubber	
<b>Max. Surface Temperature</b>	+105° C	* For temperatures between -50° C and - 200° C, please consult our Technical Department. Tel. 0161 287 7038 · Fax 0161 633 2685
<b>Max. Temperature for Flat Surface</b>	+85° C	
<b>Min. Surface Temperature</b>	-200°C*	
<b>Thermal Conductivity at 0° C</b>	0.034 W/(m · K)	Test acc. to EN ISO 8497
<b>Thermal Conductivity at +20° C</b>	0.036 W/(m · K)	
<b>Thermal Conductivity at +40° C</b>	0.038 W/(m · K)	
<b>Water Vapour Permeability</b>	Moisture Resistance Factor $\mu$ <b>7,000</b> BS EN ISO 9346:1996 $2.79 \cdot 10^{(-14)}$ kg/(m s Pa)	
<b>Water Absorption</b>	0.2% by volume	Test acc. ASTM C 209
<b>Surface Spread of Flames</b>	Class 1	Surface Spread of Flame acc. BS 476 Part 7: 1997 Fire Propagation acc. BS 476 Part 6: 1989
<b>Fire Propagation</b>	Total Index Performance (I) $\leq 12$ Sub Index ( $i_1$ ) $\leq 6$	Test results for <b>Surface Spread of Flames and Fire Propagation</b> meets <ul style="list-style-type: none"> <li>• Building Regulations 2000 (England and Wales)</li> <li>• Building Standards (Scotland) Regulations 1990</li> <li>• Building Regulations 2000 (Northern Ireland)</li> <li>• Building Regulations 1997 (Republic of Ireland)</li> </ul> for the Class O fire category  Tested in accordance with UL 94
<b>Fire Performance acc. to Building Regulation</b>	<b>Class O</b>	
<b>Reaction to fire</b>	Self-extinguishing, does not drip	
<b>Noise Reduction</b>	Sound Absorption Coefficient ISO 354:2003 up to 0.8	Also suitable for use in the prevention of sound passage
<b>Resistance to</b>	Building Materials Very Good Chemicals Consult Product Test List Ozone Very Good	     
<b>Environmental Aspects</b>	<b>ODP zero, GWP zero</b>	
<b>Health Aspects</b>	<b>Dust &amp; Fibre Free</b> <b>Microban anti-microbial protection</b>	

**Outdoor applications:** Class O Armaflex should be painted with Armafinish FR paint to the recommended thickness within 3 days. Two or more coats may be required.