



Armaflex® AC coils

# Armaflex® AC COILS

**The professional choice for faster installation**

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

- ▶ Specially Developed for Air-Conditioning and Refrigeration Pipework
- ▶ Built-In Water Vapour Barrier Prevents Condensation
- ▶ Fast Installation



## ARMAFLEX AC: The professional choice for faster installation

Armaflex AC Coils are a highly flexible elastomeric insulation material supplied as a continuous tube in a box to allow for fast and economic installation.





Designed to prevent condensation on air-conditioning pipework, Armaflex AC Coils feature a built-in water vapour barrier and a closed cell structure that prevents the wicking of moisture. Being a continuous coil minimises seams and reduces the need for adhesive.

Armafix pipe supports are recommended for use where thermal bridging may occur.

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

- ▶ Less cutting - less waste
- ▶ Faster installation - reducing the number of butt joints to be glued
- ▶ Easy to carry carton - dimensions 600 x 600 x 210 mm
- ▶ Suitable for use in the food, pharmaceutical and chemical industries



Technical Product Data		Values	Remarks
<b>Material</b>		Foamed nitrile rubber	
<b>Max. Surface Temperature</b>		+105° C	For min. temperatures between -50° C and - 200° C, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
<b>Max. Temperature for Flat Surface</b>		+85° C	
<b>Min. Surface Temperature</b>		-50° 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 <sub>1</sub> ) $\leq 6$	Test results for <b>Surface Spread of Flames</b> and <b>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
<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 antimicrobial protection</b>	

**Outdoor applications:** Armaflex AC Coils should be painted with Armafinish 99 paint to the recommended thickness within 3 days. Two or more coats may be required.

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. For updates to this document please refer to our website [www.armacell.com/uk](http://www.armacell.com/uk).



## ARMAFLEX AC Coils



Colour black

Copper pipe Cu			Iron and steel pipe Fe		Min ID mm	6 mm Insulation Thickness		9 mm Insulation Thickness	
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD inch		Reference	Coil length per carton m	Reference	Coil length per carton m
	1/4	6			6.5	AC-06x006/E	95	AC-09x006/E	70
	3/8	10			10.5	AC-06x010/E	75	AC-09x010/E	50
3/8	1/2	12			12.5	AC-06x012/E	65	AC-09x012/E	45
1/2	5/8	15			16.0	AC-06x015/E	55	AC-09x015/E	40
5/8	3/4				20.0	AC-06x020/E	42	AC-09x020/E	34
3/4	7/8	22	1/2	21.3	22.5	AC-06x022/E	40	AC-09x022/E	30
1	1 1/8	28	3/4	26.9	29.0	AC-06x028/E	30	AC-09x028/E	26

Copper pipe Cu			Iron and steel pipe Fe		Min ID mm	13 mm Insulation Thickness			
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD inch		Reference	Coil length per carton m		
	1/4	6			6.5	AC-13x006/E	45		
	3/8	10			10.5	AC-13x010/E	35		
3/8	1/2	12			12.5	AC-13x012/E	32		
1/2	5/8	15			16.0	AC-13x015/E	32		
5/8	3/4				20.0	AC-13x020/E	28		
3/4	7/8	22	1/2	21.3	22.5	AC-13x022/E	26		
1	1 1/8	28	3/4	26.9	29.0	AC-13x028/E	20		

Armaflex® AC coils