



New! Armaflex with
In-Built Anti-Microbial Protection



Armaflex® TUFFCOAT

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Made to withstand mechanical impact

- ▶ Damage Resistant Against Mechanical Impact
- ▶ Wash Down-Waterproof and Easy To Clean
- ▶ Built-In Vapour Barrier Prevents Condensation










Armaflex Tuffcoat is a flexible, closed cell, elastomeric nitrile rubber insulation with a polymeric coating. Based on the excellent technical values of Class O Armaflex it is the perfect solution wherever protection against mechanical impact is required.

With its enhanced surface protection, Armaflex Tuffcoat can even be used on underground pipework - including mains cold water and ground source heat pump pipes.

Armaflex Tuffcoat is available in tubes and coils with a black cover.

- ▶ Wash down-waterproof and easy to clean
Suitable for areas which require frequent wash down
- ▶ Resists damage from mechanical impact
- ▶ Built in vapour barrier prevents condensation
- ▶ Semi gloss finish - requires no additional painting
- ▶ Flexible and Lightweight
- ▶ Compatible with mains cold water pipes for prevention of freezing



Technical Data		   
	Values	Remarks
Material	Foamed Nitrile Rubber with Polymeric Covering	
Max. Surface Temperature	+80° C	For temperatures below -10° C and above +80° C, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Min. Surface Temperature	-10° C	
Thermal Conductivity at 0° C	0.034 W/(m · K)	Test acc. to EN ISO 8497
Thermal Conductivity at +20° C	0.036 W/(m · K)	
Thermal Conductivity at +40° C	0.038 W/(m · K)	
Water Vapour Permeability	Moisture Resistance Factor μ 7,000 BS EN ISO 9346:1996 $2.79 \cdot 10^{(-14)}$ kg/(m s Pa)	
Water Absorption	0.2% by volume	Test acc. ASTM C 209
Surface Spread of Flames (Insulation)	Class 1	Surface Spread of Flame acc. BS 476 Part 7: 1997 Fire Propagation acc. BS 476 Part 6: 1989
Fire Propagation (Insulation)	Total Index Performance (I) ≤ 12 Sub Index (i_1) ≤ 6	Test results for Surface Spread of Flames and Fire Propagation meets <ul style="list-style-type: none"> • Building Regulations 2000 (England and Wales) • Building Standards (Scotland) Regulations 1990 • Building Regulations 2000 (Northern Ireland) • Building Regulations 1997 (Republic of Ireland) for the Class O fire category
Noise Reduction	Sound Absorption Coefficient ISO 354:2003 up to 0.8	Also suitable for use in the prevention of sound passage
Resistance to	Building Materials Very Good Chemicals Consult Product Test List	
Environmental Aspects	ODP zero, GWP zero	  
Health Aspects	Dust & Fibre Free	

For **Outdoor applications** NO additional coating is necessary.

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.

ARMAFLEX TUFFCOAT black - Tubes



Pre-Covered Class O Armaflex Tubes, Colour black, Length 2 m

Copper pipe Cu			Iron and steel pipe Fe			13 mm Insulation Thickness			19 mm Insulation Thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD inch	Min ID mm	Reference	m / carton		Reference	m / carton	
	3/8	10			10.5	CO-13X010/BK	84				
3/8	1/2	12				CO-13X012/BK	76		CO-19X012/BK	44	
1/2	5/8	15			16.0	CO-13X015/BK	66		CO-19X015/BK	36	
5/8	3/4				20.0	CO-13X020/BK	52		CO-19X020/BK	30	
3/4	7/8	22	1/2	21.3	22.5	CO-13X022/BK	48		CO-19X022/BK	30	
1	1 1/8	28	3/4	26.9	29.0	CO-13X028/BK	36		CO-19X028/BK	22	
1 1/4	1 3/8	35	1	33.7	35.5	CO-13X035/BK	28		CO-19X035/BK	16	
1 1/2	1 5/8	42	1 1/4	42.4	43.5	CO-13X042/BK	22		CO-19X042/BK	14	
			1 1/2	48.3	49.0	CO-13X048/BK	16		CO-19X048/BK	12	
						CO-13X054/BK	16		CO-13X054/BK	12	
						CO-13X060/BK	14		CO-13X060/BK	12	
						CO-13X067/BK	12				

ARMAFLEX TUFFCOAT black - Coils



Pre-Covered Armaflex AC Coils, Colour: black

Copper pipe Cu			Iron and steel pipe Fe			13 mm Insulation Thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD inch	Min ID mm	Reference	Coil length per carton m	
	1/4	6			6.5	CO-13X006/EBK	38	
	3/8	10			10.5	CO-13X010/EBK	29	
3/8	1/2	12			12.5	CO-13X012/EBK	27	
1/2	5/8	15			16.0	CO-13X015/EBK	27	
5/8	3/4				20.0	CO-13X020/EBK	23	
3/4	7/8	22	1/2	21.3	22.5	CO-13X022/EBK	22	
1	1 1/8	28	3/4	26.9	29.0	CO-13X028/EBK	17	

ARMAFLEX TUFFCOAT - Tape



Polymeric Tape

Reference	Length m	Width mm	Colour	Carton content
TC-TAPE-25/BK	33	25	Black	36 rolls
TC-TAPE-50/BK	33	50	Black	18 rolls

ARMAFLEX TUFFCOAT - Mastic



Reference	Colour	Description	Carton content
TC-MASTIC/BK	Black	Sealing compound for installing Armaflex TuffCoat outdoors, 290 ml	6 cartridges

- Delivery quoted on request

