



NH/Armaflex®

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Halogen-free insulation

- ▶ Free From Halogen Based Flame Retarders
- ▶ Suitable for Use in Marine and Off-shore Environments
- ▶ Suitable for Computer Server Rooms and Clean Rooms





NH/ARMAFLEX: Halogen-free insulation

NH/Armaflex is the halogen free, flexible elastomeric, insulation material with certification for use in marine and offshore environments.

It meets the demand for insulation material with minimal smoke and toxic emissions in the event of a fire.

As a closed cell material, NH/Armaflex provides exceptional water vapour resistance and features all the properties expected from any Armaflex insulation material, including low thermal conductivity and an in-built water vapour barrier.

- ▶ Free from halogen based flame retarders
- ▶ Suitable for use in marine and offshore environments
- ▶ Suitable for computer server rooms and clean rooms
- ▶ Excellent thermal conductivity
- ▶ Built in vapour barrier prevents condensation



Technical Data		
	Values	Remarks
Material	Foamed Nitrile Rubber without chloride or bromide ions	
Max. Surface Temperature	+105° C	* For temperatures between -50° C and -200° C, please consult our Technical Department. Tel. +44 (0)161 287 7038 · Fax +44 (0)161 633 2685
Max. Temperature for Flat Surface	+85° C	
Min. Surface Temperature	-200° C*	
Thermal Conductivity at 0° C	0.040 W/(m · K)	Test according to BS 874 Part 2 1986
Thermal Conductivity at +40° C	0.045 W/(m · K)	
Water Vapour Permeability	Moisture Resistance Factor $\mu > 2,000$	Test according to DIN 52 615
Water Absorption	0.2% by volume	Test according to ASTM C 209
Surface Spread of Flames	Class 1	Test according to BS 476 Part 7: 1997
Reaction to fire	Self-extinguishing, does not drip	
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 Ozone Very Good	
Environmental Aspects	ODP zero, GWP zero	
Health Aspects	Dust & Fibre Free	

Outdoor applications should be painted with Armafinish 99 paint to the recommended thickness. Two or more coats may be required.



NH/ARMAFLEX Tubes



Length 2 m, colour dark grey

Copper pipe Cu			Iron and steel pipe Fe		9 mm Insulation thickness			13 mm Insulation thickness		
NB inch	Nom O.D. inch	Nom O.D. mm	NB inch	Nom O.D. mm	Reference	m / carton		Reference	m / carton	
	3/8	10			NH-09X010	266		NH-13X010	172	
3/8	1/2	12			NH-09X012	234		NH-13X012	162	
1/2	5/8	15			NH-09X015	192		NH-13X015	136	
		18	3/8	17.2	NH-09X018	166		NH-13X018	118	
3/4	7/8	22	1/2	21.3	NH-09X022	136		NH-13X022	98	
1	1 1/8	28	3/4	26.9	NH-09X028	98		NH-13X028	78	
1 1/4	1 3/8	35	1	33.7	NH-09X035	76		NH-13X035	58	
1 1/2	1 5/8	42	1 1/4	42.4	NH-09X042	60		NH-13X042	48	
			1 1/2	48.3	NH-09X048 (1)	50		NH-13X048	40	
2	2 1/8	54						NH-13X054	34	
			2	60.3				NH-13X060	32	
2 13/16	3	76.1	2 1/2	76.1				NH-13X076	22	
			3	88.9				NH-13X089	18	

Copper pipe Cu			Iron and steel pipe Fe		19 mm Insulation thickness			25 mm Insulation thickness		
NB inch	Nom O.D. inch	Nom O.D. mm	NB inch	Nom O.D. mm	Reference	m / carton		Reference	m / carton	
	3/8	10			NH-19X010	98				
3/8	1/2	12			NH-19X012	88				
1/2	5/8	15			NH-19X015	78				
		18	3/8	17.2	NH-19X018	72		NH-25X018	50	
3/4	7/8	22	1/2	21.3	NH-19X022	64		NH-25X022	42	
1	1 1/8	28	3/4	26.9	NH-19X028	48		NH-25X028 (1)	32	
1 1/4	1 3/8	35	1	33.7	NH-19X035	36		NH-25X035	24	
1 1/2	1 5/8	42	1 1/4	42.4	NH-19X042	32		NH-25X042	22	
			1 1/2	48.3	NH-19X048	24		NH-25X048	18	
2	2 1/8	54			NH-19X054	24		NH-25X054	16	
			2	60.3	NH-19X060	18		NH-25X060	12	
2 13/16	3	76.1	2 1/2	76.1	NH-19X076	12		NH-25X076	10	
			3	88.9	NH-19X089	12		NH-25X089	8	

NH/ARMAFLEX Continuous Sheet



Width 1 m, colour dark grey

Reference	Insulation thickness mm	Roll length m	Carton content in m ²
NH-06-99/E	6	15	15
NH-10-99/E	10	10	10
NH-13-99/E	13	8	8
NH-19-99/E	19	6	6
NH-25-99/E	25	4	4



NH/ARMAFLEX Continuous Self-Adhesive Sheets



Width 1 m, colour dark grey

Reference	Insulation thickness mm	Roll length m	Carton content in m ²
NH-06-99/EA	6	15	15
NH-10-99/EA	10	10	10
NH-13-99/EA	13	8	8
NH-19-99/EA	19	6	6
NH-25-99/EA	25	4	4

NH/ARMAFLEX Tape



Colour: dark grey

Reference	Thickness mm	Length m	Width mm	Carton content rolls
NH-TAPE	3	15	50	12

- Continuous Sheets are available in 32mm and 38mm insulation thickness on request.
- For All self-adhesive sheets: delivery quoted on request
- (1) Delivery quoted on request

Delivery for all NH/Armaflex products (excl. self-adhesive sheets): 10 working days