








PRODUCT PROFILE

	Values	Remarks
Material	Foamed nitrile rubber	
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	0.034 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	Class 1	Surface Spread of Flame acc. BS 476 Part 7: 1997 Fire Propagation acc. BS 476 Part 6: 1989
Fire Propagation	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 Tested in accordance with UL 94
Fire Performance acc. to Building Regulation	Class O	
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 Microban anti-microbial protection	

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.

Absorption coefficient acc. to EN ISO 354	Octave band centre frequency, Hz					
	125	250	500	1000	2000	4000
at 10 mm sheet	0.02	0.04	0.08	0.19	0.53	0.44
at 32 mm sheet	0.08	0.17	0.51	0.56	0.25	0.24

acc. to EN ISO 11654	at 10 mm	at 32 mm
Weighted Sound Absorption Coefficient α_w	0.02 (H)	0.35
Sound Absorption Class	E	D

acc. to ASTM C423	at 10 mm	at 32 mm
NRC Rating	0.2	0.35



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