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WJSPARMA-O **CLASS O ARMAFLEX**





- · Reliable condensation control with closed-cell Armaflex structure
- · High flexibility and ease of installation.
- · Increases equipment life-cycle.
- · Complete insulation system with compatible tapes, adhesive, fire sleeves and pipe supports
- · Class O Fire Performance
- NEW! Improved thermal conductivity value $\lambda_0 \circ c$ $\leq 0.033 \text{ W/(m} \cdot \text{K)}$
- \cdot NEW! Improved water vapour resistance value μ ≥ 10.000
- · Made in the UK









Technical Data - AF/Armaflex Class 0

Brief description Flexible, closed-cell insulation material with built-in Microban® antimicrobial protection

Material type Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.

Colour Black

Material Special Information Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure. Covered with polyethylene film. Traces of silicon can be found on the protective film used on self-adhesive closures.

Insulation / protection to control condensation, reduce energy losses and protect against frost on pipes, air ducts, vessels (incl. elbows, fittings, flanges etc.) Suitable for hot and cold water services, chilled water lines, heating systems, air conditioning ductwork and refrigerated pipework. Applications

Special Features MCCP-free

Type III Environmental Product Declaration (EPD): Declaration number "EPD-ARM-20150110-IBB1-DE", Institut Bauen und Umwelt e.V. (IBU) Safety and Environment

Green Guide A rating = 2.75 points (2 points from Mat 04 + 0.75 uplift for tier 2 EPD)

Light weight and flexible. Closed cell structure means no additional vapour barrier is required. Assembly

Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP Remarks

Property	Value/Assessment				Test*1	Special Remarks
Temperature Range						
Temperature Range	Max. service temperature	+ 110 °C	(+ 85 °C to a flat	if sheet or tape is glued object)	EU 5709	Tested acc. to EN 14706, EN 14707 and
	Min. service temperature ¹	-50 °C				EN 14304
Thermal Conductivity						
Thermal Conductivity	ϑ _m +/-0	°C	λ=		EU 5709	Declared acc. to EN ISO 13787
	Tubes $\lambda \leq 0.033$ 6-19 mm, sheet & tape 3-32 mm	W/(m·K)	$[33 + 0.1 \cdot \vartheta_m + 0.0008 \cdot \vartheta_m^2]/1000$		Tested acc. to EN 12667 EN ISO 8497	
	Tubes $\lambda \leq 0.036$ 25-32 mm	W/(m·K)	[36 + 0,1- 8	$\vartheta_{\rm m} + 0.0008 \cdot \vartheta_{\rm m}^{2}]/1000$		
	Sheets, $\lambda \leq 0.033$ tape 3-32 mm	W/(m·K)	[33 + 0,1- {	ϑ _m + 0,0008 · ϑ _m ²]/1000		
Water vapour diffusion resistance						
Water vapour diffusion resistance	Tubes 6-19 mm ; Sheets $\;\;\mu$ 6-32 mm	2	≥	10,000	EU 5709	Tested acc. to EN 12086 EN 13469
	Tubes 25-32 mm μ	2	≥	7,000		LIV 13409
Fire performance						
Reaction to fire ²	tubes		B _L -s3, d0		EU 5709	Classified acc. to EN 13501-1 Tested acc. to
	sheets & tape	!	B-s3,d0			EN 13823 EN ISO 11925-2
	Surface Spread of Flames	(Class 1 Total Index Performance (I) ≤ 12		GB 5731 & GB 5732	Surface Spread of Flame: tested according to BS 476 Part 7:1997
	Fire Propagation					
					GB 5731 &	Fire Propagation:
	Fire Performance acc. to Building Regulations Class 0				GB 5732	tested according to BS 476 Part 6:1989
Other fire class	FM-approved				D 5551	Tested according to UBC26-3, Class No.4924
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames					
Other technical features						
Dimensions and tolerances	In accordance with EN 14304, table 1				EU 5709	Tested acc. to EN 822, EN 823, EN 13467
UV resistance	Protection against UV-radiation with Armafinish 99 paint is required. Alternatively use Armaflex Tuffcoat or Arma-Chek Silver.					
Health aspects	ODP & GWP ratings of zero					
Storage & Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year					Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).
Antimicrobial behaviour	In-built Microban® active antimicrobial protection: No fungal growth observed					

- 1. For temperatures below -50 °C please contact our Technical Department to request the corresponding technical information
- 2. The building materials classification is valid on metal or solid, mineral surfaces
- *1 Further documents such as test certificates and approvals can be requested using the registration number given.

Disclaimer
Please note, failure to select the correct materials or products we supply ("the Products") may result in damage to plant, equipment or property. In some instances, it may cause death or personal injury. We are not designers and do not give advice about design related matters concerning the Products. We can help and assist with the technical specifications for the Products. In specific applications, particularly where critical conditions exist, we will try to assist you within the limitations of the services that we offer. All information supplied by us is intended as technical co-operation outlining the specifications of the different Products which we supply. To the extent permitted in law, no warranty is given in respect of any information supplied by us. The customer must satisfy themselves as to the suitability of the Products for their intended application and use. The correct fitting of Products is the responsibility of the customer. Your statutory rights remain unaffected. Save in respect of death, personal injury or fraud, our entire liability to you, however arising from the supply of Products shall be limited to the £10M indemnity amount provided by our insurers.