INSTALL IT. TRUST IT.

AF/ArmaFlex® Evo

Discover the new generation in elastomeric insulation. AF/ArmaFlex Evo. The safest AF/ArmaFlex ever.

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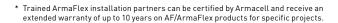




The new AF/ArmaFlex generation

- // Fire Safety B/B_L-s2,d0
- // Antimicrobial Protection MICROBAN®
- // Engineered Wall Thicknesses MAXIMUM SAFETY
- // System reliability ONE-STOP SOLUTION
- // Extended warranty 10 YEARS*
- // Brand new ARMAFLEX 525 ADHESIVE





Technical Data - AF/ArmaFlex Evo

Brief description	Flexible elastomeric foam with improved fire retardant properties, low smoke generation, closed-cell insulation material structure and built-in Microban® antimicrobial protection. For use in HVAC, refrigeration and process equipment application.						
Material type	Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.						
Material Special	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil. Traces of silicon can be found on the protection paper/foil used to protect self-adhesive closures.						
Applications	Insulation / protection for pipes, air ducts, vessels (incl. elbows, fittings, flanges etc.) of air-conditioning / refrigeration and process equipment to prevent condensation and save energy. The material must be secured by applying ArmaFlex 525 Adhesive*1.						
Special Features	Increasing insulation wall thicknesses for tubes ensures that the surface temperature is maintained as the pipe diameter is increased.						
Remarks	Declaration of Performan	ice is availab	le in accord	ance with Article 7(3) of Regulation (EU) No	305/2011 on	our homepage: wv	vw.armacell.com/DoP'
Property	Value/Assessment				Test*2	Supervision*3	Special Remark
Temperature Range	max. service temperature + 110 °C (+ 85 °C if sheet or tape is glued to the object with its whole surface.)				EU 7431	0/●	Tested acc. to EN 14706, EN 14707
	min. service temperature¹ -50 °C						and EN 14304
Thermal Conductivity \$\text{9}_m +/-0 °C	Tubes (AF-EV0-1 to AF-EV0-4)	λ ≤ 0,033	W/(m · K)	$\lambda = [33 + 0, 1 \cdot \vartheta_{m} + 0,0008 \cdot \vartheta_{m^{2}}]/1000$	EU 7431	0/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667, EN ISO 8497
	Tubes (AF-EVO-5 to AF-EVO-6)	λ < 0,036	W/(m · K)	$\lambda = [36 + 0.1 \cdot \vartheta_{\text{m}} + 0.0008 \cdot \vartheta_{\text{m}}]/1000$			
	Sheets 3 – 32 mm, Tape	λ ≤ 0,036	W/(m · K)	$\lambda = [36 + 0, 1 \cdot \vartheta_{m} + 0,0008 \cdot \vartheta_{m^{2}}]/1000$			
	Sheets >32 - 50 mm	λ ≤ 0,037	W/(m · K)	$\lambda = [37 + 0, 1 \cdot \vartheta_{m} + 0,0008 \cdot \vartheta_{m^{2}}]/1000$			
Water vapour diffusion resistance	Tubes (AF-EV0-1 to AF-EV0-4)			µ ≥ 10.000	EU 7431	∘/•	Tested acc. to EN 12086 and EN 13469
	Tubes [AF-EV0-5 to AF-EV0-6]			μ > 7.000			
	Sheets 3-50 mm, Tape						
Fire performance Reaction to fire	Tubes B _L -s2,d0				EU 7431	0/●	Classified acc. to
	Sheets, Tape			B-s2,d0	_		EN 13501-1 Tested acc. to EN 13823
	Tubes / sheets with Armafix AF pipe hanger B _L -s2,d0						EN 13823 EN ISO 11925-2
Component fire resistance	< R90 (P-3849/5370 MPA BS)						Tested acc, to EN 1366- and DIN 4102-11
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames						
Dimensions and tolerances	In accordance with EN 14304, table 1					0/●	Tested acc. to EN 822, EN 823, EN 13467
UV resistance ²	Protection against UV-radiation is necessary						
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).		

- For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.
 If ArmaFlex is applied under UV-radiation the material must be protected within 3 days with a covering.
 ArmaFlex 520 Adhesive can be used with tubes.

- *2 Further documents such as test certificates, approvals and the like can be requested using the registration number given.
 *3 •: Official supervision by independent institutes and /or test authorities
- O: Own in-factory quality monitoring

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our **Data Protection Policy**.

