

INSTALL IT. TRUST IT.

AF/ArmaFlex® Evo

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

www.armacell.com



- // 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

* Trained ArmaFlex installation partners can be certified by Armacell and receive an extended warranty of up to 10 years on AF/ArmaFlex products for specific projects.


ArmaFlex®

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 Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.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.] min. service temperature ¹ -50 °C	EU 7431	○/●	Tested acc. to EN 14706, EN 14707 and EN 14304
Thermal Conductivity $\vartheta_m \pm 0 \text{ °C}$	Tubes (AF-EVO-1 to AF-EVO-4) $\lambda \leq 0,033$ W/(m · K) $\lambda = [33 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$ Tubes (AF-EVO-5 to AF-EVO-6) $\lambda \leq 0,036$ W/(m · K) $\lambda = [36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$ Sheets 3 – 32 mm, Tape $\lambda \leq 0,036$ W/(m · K) $\lambda = [36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$ Sheets >32 – 50 mm $\lambda \leq 0,037$ W/(m · K) $\lambda = [37 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$	EU 7431	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667, EN ISO 8497
Water vapour diffusion resistance	Tubes (AF-EVO-1 to AF-EVO-4) $\mu \geq 10,000$ Tubes (AF-EVO-5 to AF-EVO-6) $\mu \geq 7,000$ Sheets 3-50 mm, Tape $\mu \geq 7,000$	EU 7431	○/●	Tested acc. to EN 12086 and EN 13469
Fire performance Reaction to fire	Tubes $B_L-s2,d0$ Sheets, Tape $B-s2,d0$ Tubes / sheets with Armafix AF pipe hanger $B_L-s2,d0$	EU 7431	○/●	Classified acc. to EN 13501-1 Tested acc. to EN 13823 EN ISO 11925-2
Component fire resistance	$\leq R90$ [P-3849/5370 MPA BS]	D 5328 EU 5584		Tested acc. to EN 1366-3 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	EU 7431	○/●	Tested acc. to EN 822, EN 823, EN 13467
UV resistance²	Protection against UV-radiation is necessary	TB 142		
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).

1. For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

2. If ArmaFlex is applied under UV-radiation the material must be protected within 3 days with a covering.

*1 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

○: Own in-factory quality monitoring

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced.

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