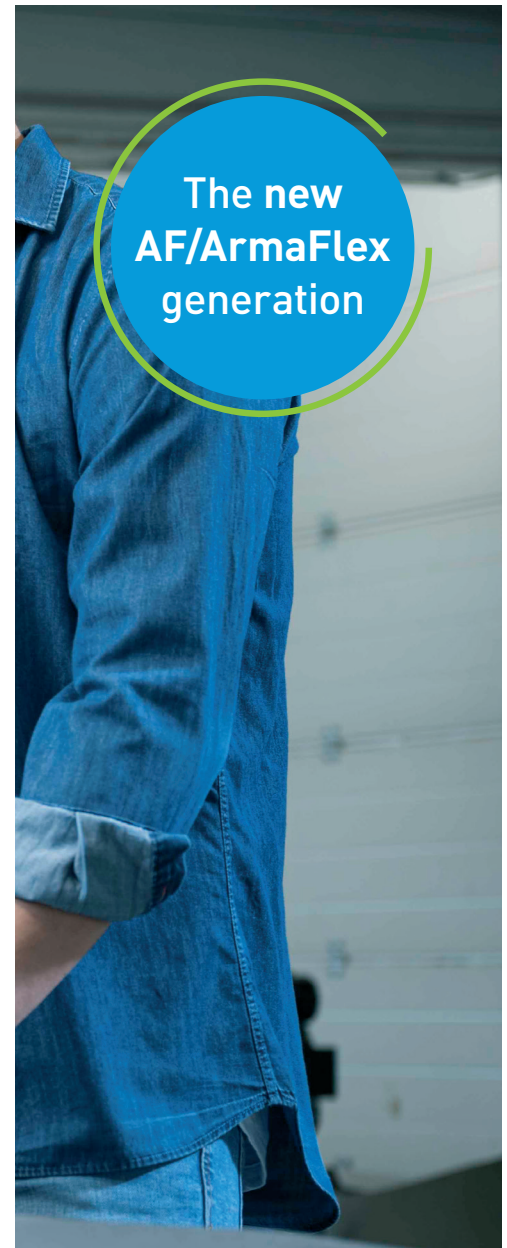


INSTALL IT. TRUST IT.

# AF/ArmaFlex® Evo

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

[www.armacell.com](http://www.armacell.com)



- // Fire Safety – B/B<sub>L</sub>-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

<b>Brief description</b>	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.						
<b>Material type</b>	Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.						
<b>Material Special</b>	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.						
<b>Applications</b>	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.						
<b>Special Features</b>	Increasing insulation wall thicknesses for tubes ensures that the surface temperature is maintained as the pipe diameter is increased.						
<b>Remarks</b>	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a>						
<b>Property</b>	<b>Value/Assessment</b>	<b>Test*2</b>	<b>Supervision*3</b>	<b>Special Remark</b>			
<b>Temperature Range</b>	max. service temperature + 110 °C [+ 85 °C if sheet or tape is glued to the object with its whole surface.]	EU 7431	○/●	Tested acc. to EN 14706, EN 14707 and EN 14304			
	min. service temperature <sup>1</sup> -50 °C						
<b>Thermal Conductivity</b> $\vartheta_m$ +/- 0 °C	Tubes (AF-EVO-1 to AF-EVO-4)	$\lambda \leq 0,033$	W/(m · K)	$\lambda = [33 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$	EU 7431	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667, EN ISO 8497
	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)	$\lambda = [37 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$			
<b>Water vapour diffusion resistance</b>	Tubes (AF-EVO-1 to AF-EVO-4)			$\mu \geq 10.000$	EU 7431	○/●	Tested acc. to EN 12086 and EN 13469
	Tubes (AF-EVO-5 to AF-EVO-6)			$\mu \geq 7.000$			
	Sheets 3-50 mm, Tape			$\mu \geq 7.000$			
<b>Fire performance Reaction to fire</b>	Tubes			$B_L-s2,d0$	EU 7431	○/●	Classified acc. to EN 13501-1 Tested acc. to EN 13823 EN ISO 11925-2
	Sheets, Tape			$B-s2,d0$			
	Tubes / sheets with Armafix AF pipe hanger			$B_L-s2,d0$			
<b>Component fire resistance</b>	$\leq R90$ [P-3849/5370 MPA BS]				D 5328 EU 5584		Tested acc. to EN 1366-3 and DIN 4102-11
<b>Practical Fire Behaviour</b>	Self-extinguishing, does not drip, does not spread flames						
<b>Dimensions and tolerances</b>	In accordance with EN 14304, table 1				EU 7431	○/●	Tested acc. to EN 822, EN 823, EN 13467
<b>UV resistance<sup>2</sup></b>	Protection against UV-radiation is necessary				TB 142		
<b>Storage &amp; Shelf life</b>	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, only if B/B<sub>L</sub>-s3,d0 is required.

\*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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