



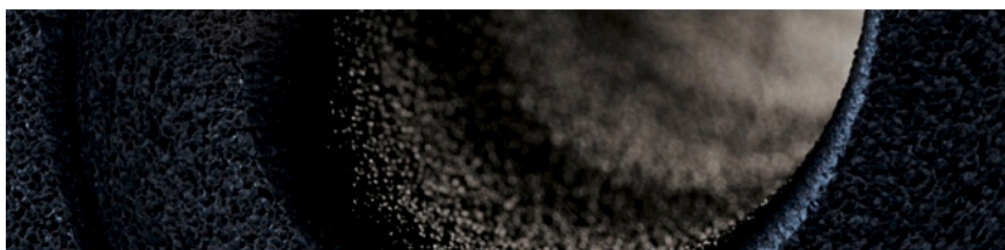
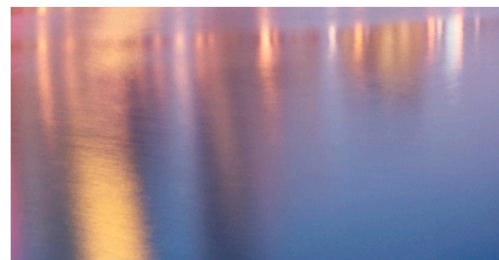
INSTALL IT. TRUST IT.

AF/ArmaFlex Evo

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

- // 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

www.armacell.eu



 **armacell**[®]
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.
Additional material information	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.
Product colour range	Black
Special features	Increasing insulation wall thicknesses for tubes ensures that the surface temperature is maintained as the pipe diameter is increased.
Applications	Insulation/protection for pipes, air ducts, vessels (including elbows, fittings, flanges, etc.) of air-conditioning/refrigeration and process equipment to prevent condensation and save energy.
Installation	Certified and compatible adhesive for a long-term performing system is ArmaFlex 525.

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Min. °C ¹	Max. °C	EN 14706, EN 14707, EN 14304
	-50	110	
	Remarks	+85 °C if sheet or tape is glued to the object with its whole surface +85 °C for tapes	
Thermal conductivity			
Declared thermal conductivity	Øm	0 °C	EN ISO 13787, EN ISO 8497
	$\lambda d \leq [W/(m \cdot K)]$	0.033	
	Range	Tubes (AF-EVO-1 - AF-EVO-4)	
	Formula	$\lambda d = [33 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
Declared thermal conductivity	Øm	0 °C	EN ISO 13787, EN 12667, EN ISO 8497
	$\lambda d \leq [W/(m \cdot K)]$	0.036	
	Range	Tubes (AF-EVO-5 - AF-EVO-6) as well as sheets and tapes (3 - 32 mm)	
	Formula	$\lambda d = [36 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
Declared thermal conductivity	Øm	0 °C	EN ISO 13787, EN 12667
	$\lambda d \leq [W/(m \cdot K)]$	0.037	
	Range	Sheets (> 32 mm - 50 mm)	
	Formula	$\lambda d = [37 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
Fire Performance and Approvals			
Reaction to fire	Tubes: B(L)-s2, d0 Sheets, Tapes: B-s2,d0 Tubes/sheets with ArmaFix AF: B(L)-s2,d0		EN 13501-1, EN ISO 11925-2, EN 13823
Surface flammability ²	low-flammable - 2010 FTP-Code (MED 96/98/EC, Module D)		IMO 2010 FTP Code, Part 5
Passive fire protection			
Fire resistance of elements of construction	EI 30 - EI 90		EN 13501-2, EN 1366-3
UL standards			
UL 94 5VA	Pass (tubes and sheets \geq 3.0 mm)		UL 94, IEC 60695-11-10, UL 746B, UL 746 A

Property	Value / Assessment	Standard / Test method
Fire performance		
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames, low smoke development	
Physical attributes		
Dimensions and tolerances	in accordance with EN 14304, table 1	EN 822, EN 823, EN 13467
Weather and UV resistance		
UV resistance ³	Protection against UV-radiation is necessary (see Technical Bulletin no. 142).	
Health and environment		
Antimicrobial behaviour	In-built Microban active antimicrobial protection: No fungal growth observed	EN ISO 846, VDI 6022
Environmental Product Declaration (EPD)	Type III Environmental Product Declaration (EPD): Declaration number "EPD-ARM-20220038-IBB1-EN", Institut Bauen und Umwelt e.V. (IBU)	ISO 14025, EN 15804+A2
Other technical features		
Adhesion and sealing	ArmaFlex 525 is the certified adhesive for this product. However, ArmaFlex 520 adhesive can potentially be used for tubes.	
Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year	
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).	

¹For use in temperatures beyond the maximum and minimum service temperature range indicated in the technical data table, please contact our Customer Service Centre.

²According to IMO 2010 FTP Code annex 2, clause 2.2 a fire technical test for smoke density and toxicity is not necessary.

³If ArmaFlex is used outdoors or in applications under UV radiation, it should be protected with a covering such as Arma-Chek within 3 days of installation.

OUR CUSTOMERS EXPECT THE BEST. WE WORK HARD TO GO BEYOND THAT AND EXCEED THEIR EXPECTATIONS.

At Armacell we want to create a unique customer experience. We understand the challenges of today's construction industry and support you in the successful delivery of your projects. From planning to delivery, our 360° service supports you throughout the entire process.



SERVICE AND TECHNICAL INFORMATION AVAILABLE 24/7

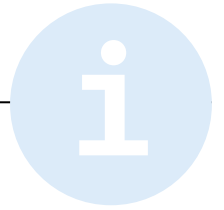
At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building policy)

DEDICATED LOCAL CONTACTS

We aim to create open lines of communication with our customers. From on-site trainings and webinars by our Armacell technical experts advising on project planning and safety instructions to our local dedicated sales and customer services, your local Armacell dedicated team is working in partnership with you to achieve more together.

DIGITAL INFORMATION FLOWS

From order to delivery, we also provide you with digital information flows such as EDI and other well-known data formats that are widely used in the construction sector worldwide.



OUR STANDARD LOGISTICS SERVICES INCLUDE

- // Material ordered will be shipped from our facilities within 48 hours after order confirmation
- // Full truck loads and full pallets (not mixed – 1 SKU per pallet)
- // List prices in this document are based on Ex Works
- // Container loading with standard goods
- // Customs clearance (including documentation) for standard deliveries outside EU
- // Dangerous goods process for road freight

WE GO BEYOND STANDARD SERVICES AND ALSO PROPOSE YOU ADDITIONAL SERVICES*

OPIMISED PACKAGING

- Edge protection
- Strapping
- Doubled stretching
- Reinforced cardboard with extra layer
- Additional warning tape

LABELLING

- Extra label for transport instructions

EXTRA DELIVERY SERVICES

- Just in time delivery
- Delivery with lifting platform for partial or complete load
- Express and direct shipments
- Booking a delivery time slot via your EDP system
- Forklift truck for unloading at construction site
- Air and sea freight deliveries
- Dangerous goods shipment process for air and sea freight



To mitigate cost increases and reduce waste generation, we also propose a pallet return service* by which pallets can be handed at Armacell collection points.

* Please contact your local Customer Service Centre to see which of these services apply to your country.

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

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.

© Armacell, 2022. All rights reserved. Trademarks followed by ® or ™ are trademarks of the Armacell Group.

Microban is a registered trademark of Microban Products Company.

TDS | 012023 | en-IN

ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency, making a difference around the world every day. With more than 3200 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.



For more information, please visit:
www.armacell.com