



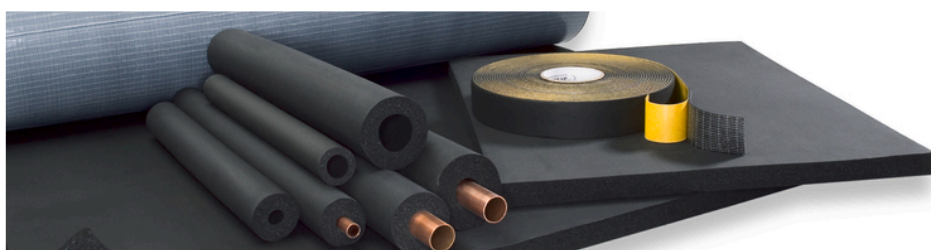
INSTALL IT. TRUST IT.

# ArmaFlex XG

The versatile solution for professionals

- // Full range for easy application on all pipe and duct sizes
- // Effective reduction of thermal losses
- // System security with ArmaFix and ArmaFlex adhesives
- // Available as lap-seal and top-seal solutions

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



 **armacell**<sup>®</sup>  
ArmaFlex<sup>®</sup>

## TECHNICAL DATA - ARMAFLEX XG

Brief description	Highly flexible, closed-cell insulation material with high water vapour diffusion resistance and low thermal conductivity.
Material type	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 silicone may be present on the paper/foil protecting self-adhesive closures.
Product colour range	Black
Applications	Insulation/protection of pipes, air ducts, vessels (including elbows, fittings, flanges, etc.) of air-conditioning, refrigeration and process equipment to prevent condensation and save energy as well as insulation of pipes in sanitary and heating applications.
Installation	Certified and compatible adhesive for a long-term performing system is ArmaFlex 520.

Property	Value / Assessment		Standard / Test method
<b>Temperature range</b>			
Service temperature	Min. °C <sup>1</sup>	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	
<b>Thermal conductivity</b>			
Declared thermal conductivity	Øm	0 °C	EN ISO 13787, EN 12667, EN ISO 8497
	$\lambda_d \leq [W/(m \cdot K)]$	0.035	
	Range	Tubes (6 - 19 mm) , sheets (6 - 25 mm), tapes	
	Formula	$\lambda_d = [35 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
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 (25 - 40 mm) and sheets (32 -40 mm)	
	Formula	$\lambda_d = [36 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
<b>Fire Performance and Approvals</b>			
Reaction to fire	tubes: B(L)-s3, d0 sheets: B-s3,d0 tapes: B-s3, d0		EN 13501-1, EN ISO 11925-2, EN 13823
<b>Fire performance</b>			
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		
<b>Physical attributes</b>			
Dimensions and tolerances	in accordance with EN 14304, table 1		EN 822, EN 823, EN 13467
<b>Weather and UV resistance</b>			
UV resistance <sup>2</sup>	Protection against UV radiation is necessary (see Technical Bulletin no. 142).		
<b>Health and environment</b>			
Volatile organic compounds (VOC) content	Fulfills all VOC requirements (French, Italian, Belgian, German AgBB, Blauer Engel and Eurofins Indoor Air Comfort GOLD).		ISO 16000 Parts 3, 6 & 9
Green building assessment	Meets the sustainable construction requirements for LEED v4.1, BREEAM international and DGNB.		
Additional features	SCCP, MCCP-free		
<b>Other technical features</b>			
Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year		

Property	Value / Assessment	Standard / Test method
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).	

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

<sup>2</sup>If ArmaFlex is used outdoors or in applications under UV radiation, it should be protected with ArmaFinish Paint, or 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**

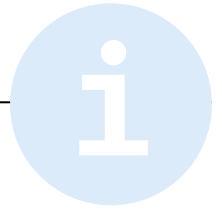
At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building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

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## ABOUT ARMACELL

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