

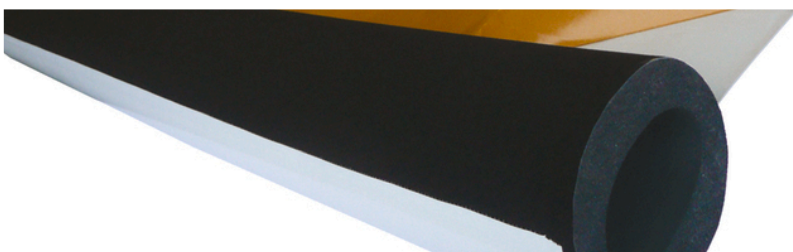


INSTALL IT. TRUST IT.

ArmaFlex Tuffcoat

The Perfect ArmaFlex pre-coated solution for protection against mechanical impact

- // Protection against mechanical impact
- // Wash-down waterproof and easy to clean
- // UV Resistant for external use
- // No additional painting or covering required
- // Can be used on underground pipework, including mains cold water and ground source heat pumps
- // Microban® antimicrobial protection



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TECHNICAL DATA - ARMAFLEX TUFFCOAT

Brief description	AF/ArmaFlex Evo insulation with a polymeric covering for protection against mechanical impact and UV resistance. Suitable for external applications.
Product colour range	Black, White
Applications	Insulation for hot and cold water services, chilled water lines, heating systems, air conditioning and refrigeration pipework to provide condensation control, energy conservation and frost protection. Easy to wipe clean and wash down - suitable for food manufacturing, hospitals and schools. Ideal for outdoor use since covering provides additional protection against UV damage and bird attack. Can be used underground - including mains cold water and ground source heat pump pipes.
Installation	Compatible adhesives for a long-term performing system include ArmaFlex 520, ArmaFlex HT 625 or ArmaFlex RS850. Contact Armacell Technical Services for installation advice before application. For further information please contact our Technical Services. Longitudinal and end seams must be sealed with ArmaFlex 520 adhesive. Please refer to the Armacell application manual
Declaration of performance	Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at www.armacell.com/DoP .

Property	Value / Assessment		Standard / Test method
Temperature range			
Service temperature	Min. °C	Max. °C ¹	EN 14706, EN 14707, EN 14304
	-50	110	
Thermal conductivity			
Declared thermal conductivity	Øm	0°C	EN ISO 8497, EN 12667, EN ISO 13787
	$\lambda d \leq [W/(m \cdot K)]$	0.033	
	Range	Tubes 6-19mm and Sheets 13-25mm	
	Formula	$\lambda d = [33 + 0,1 \cdot \vartheta m + 0,0008 \cdot \vartheta m^2]/1000$	
Declared thermal conductivity	Øm	0°C	EN ISO 8497, EN 12667, EN ISO 13787
	$\lambda d \leq [W/(m \cdot K)]$	0.036	
	Range	Tubes 25mm	
	Formula	$\lambda d = [36 + 0,1 \cdot \vartheta m + 0,0008 \cdot \vartheta m^2]/1000$	
Fire Performance and Approvals			
Fire propagation for products	Tuffcoat covering roll: Total Index Performance (I) ≤ 12 Sub Index (i1) ≤ 6 Class 0		BS 476 Part 6
Reaction to fire	Pre-covered Tubes: E(L) Pre-covered Sheet: E		EN 13501-1, EN ISO 11925-2
Resistance to water vapour			
Water vapour diffusion resistance factor	≥ 15,000		EN 12086, EN 13469
Physical attributes			
Dimensions and tolerances	In accordance with EN 14304, table 1		EN 822, EN 823, EN 13467
Weather and UV resistance			
UV resistance	Excellent		
Outdoor use	Suitable for outdoor applications		
Health and environment			
Antimicrobial behaviour	In-built Microban® antimicrobial protection		
Environmental aspects	ODP zero GWP zero		

¹+85 °C, for products with a self-adhesive layer.

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

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 3,300 employees and 25 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 acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

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


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