



INSTALL IT. TRUST IT.

ArmaFlex Tuffcoat

The ArmaFlex pre-coated solution for 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 main cold water and ground source heat pumps
- // Microban® antimicrobial protection

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 **armacell**[®]
ArmaFlex[®]

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. 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	EN 14706, EN 14707, EN 14304	
	-50		
Max. °C ¹	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	$\lambda d = [33 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
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	$\lambda d = [36 + 0,1 \cdot \varnothing m + 0,0008 \cdot \varnothing m^2]/1000$	
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.

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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 insulation solutions that create sustainable value for its customers. Armacell's products significantly contribute to driving energy efficiency worldwide. With more than 3,100 employees and 26 production plants in 20 countries, Armacell 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

