



ENGINEERED FOR DURABILITY

# ArmaFlex Shield CX

The preferred insulation for outdoor applications.

- // Tough skin resistant to elements such as UV and humidity
- // Enable energy savings through protection against thermal losses
- // Innate barrier against water ingress

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## TECHNICAL DATA - ARMAFLEX SHIELD CX

Brief description      Designed for outdoor applications, ArmaFlex Shield CX is an insulation material with a tough skin that is durable against elements such as UV and humidity.

Property	Value / Assessment	Standard / Test method
<b>Temperature range</b>		
Service temperature	Min. °C	Max. °C
	-50	105
<b>Thermal conductivity</b>		
Declared thermal conductivity	$\theta_m$	0°C
	$\lambda d \leq [W/(m \cdot K)]$	0.034
	Remarks	Same as ArmaFlex Class 1
<b>Fire Performance and Approvals</b>		
Burning behaviour of building materials and products	Flame retardant class B1 (foam material performance)	GB 8624
<b>Resistance to water vapour</b>		
Water vapour diffusion resistance factor	$\mu \geq 10000$	GB/T 17794
<b>Other technical features</b>		
Ageing stability	No obvious aging phenomenon in the accelerated test of 400 hours under xenon lamp.	GB/T 16422

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## ABOUT ARMACELL

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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:  
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