

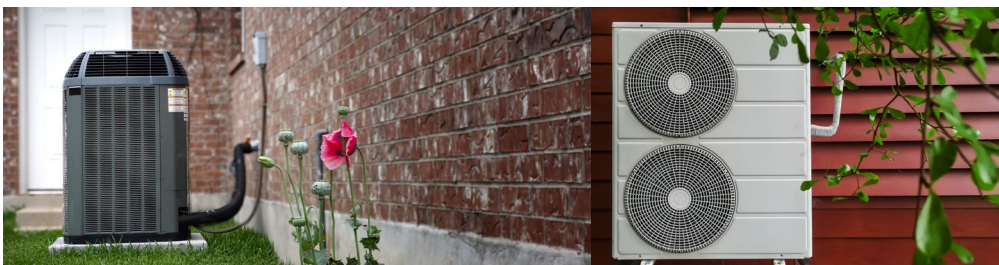
ENGINEERED FOR DURABILITY

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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ArmaFlex[®]

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.
Material type	Elastomeric foam based on synthetic rubber with PVC jacketing.
Colour	Black.
Installation	ArmaFlex Shield CX can be slit easily with a sharp, non-serrated knife and installed over a pipe. Longitudinal and butt joints should be sealed properly with ArmaFlex 520 adhesive. ArmaFlex Shield CX does not require additional protection for outdoor use.

Property	Value Assessment			Standard /Test method
Temperature range				
Service temperature	Range	Minimum	Maximum	
	Full range	-50 °C	+105 °C	
Thermal conductivity				
Declared thermal conductivity	0.034 [W/(m·K)]			GB/T 17794
Resistance to water vapour				
Water vapour diffusion resistance factor	$\mu \geq 10,000$			GB/T 17794
Fire performance				
Burning behaviour of building materials and products	Flame retardant class B1 ¹			GB 8624
Other technical features				
Environmental performance	Passes the EU directive on the limitation of hazardous ingredients (RoHS, REACH Certification).			
Anti-aging performance	No obvious aging phenomenon in the accelerated test of 400 hours under xenon lamp.			GB/T 16422.2
Storage	Material shall be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C to 35 °C).			

¹Foam material performance

Tube - Standard (Colour: black. Length: 2.0m)

Cu pipe outer diameter [inch]	Fe pipe outer diameter [mm]	DN [mm]	Insulation inner diameter [mm]	F-series 9.25mm		H-series 14mm		M-series 18.25-19.25mm	
				Item	Carton content [m]	Item	Carton content [m]	Item	Carton content [m]
1/4			6			SH-H-006	144	SH-M-006	84
			9					SH-M-009	80
			10						
3/8		6	10			SH-H-010	128		
1/2			12			SH-H-012	112	SH-M-012	70
5/8	14	8	15			SH-H-015	96	SH-M-015	70
			19					SH-M-019	60
			20						
3/4			20			SH-H-020	80		
7/8	22	15	22					SH-M-022	50
1	25		25	SH-F-025	96			SH-M-025	40
1-1/8	28	20	28					SH-M-028	36
1-1/4	32		32	SH-F-032	72				



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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 3,000 employees and 23 production plants in 15 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.



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