



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.

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

F-series						H-series					
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Average thickness [mm]	Length [m]	Content [metric]	Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Average thickness [mm]	Length [m]	Content [metric]
25	SH-F-025	25	9.25	2	96 m	6	SH-H-006	6	14	2	144 m
32	SH-F-032	32	9.25	2	72 m	10	SH-H-010	10	14	2	128 m
-	-	-	-	-	-	12	SH-H-012	12	14	2	112 m
-	-	-	-	-	-	15	SH-H-015	15	14	2	96 m
-	-	-	-	-	-	20	SH-H-020	20	14	2	80 m
-	-	-	-	-	-		SH-H-010-200				
-	-	-	-	-	-		SH-H-012-200				
-	-	-	-	-	-		SH-H-015-150				
-	-	-	-	-	-		SH-H-020-150				
-	-	-	-	-	-		SH-H-022-150				

M-series

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Average thickness [mm]	Length [m]	Content [metric]
22	SH-M-022	22	18.75	2	50 m
25	SH-M-025	25	19.25	2	40 m
28	SH-M-028	28	19.75	2	36 m

Adhesives and Cleaners

Item	Description	Content [quantity]
AS-AD520HL	12 cans of 500ml ArmaFlex 520 adhesive in a carton	12 tin

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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.



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