FOR OUTDOOR AND HIGH TEMPERATURE APPLICATIONS

ArmaFlex HT-C

// High temperature resistance
// Resists UV
// Reduces risk of corrosion under insulation (CUI)

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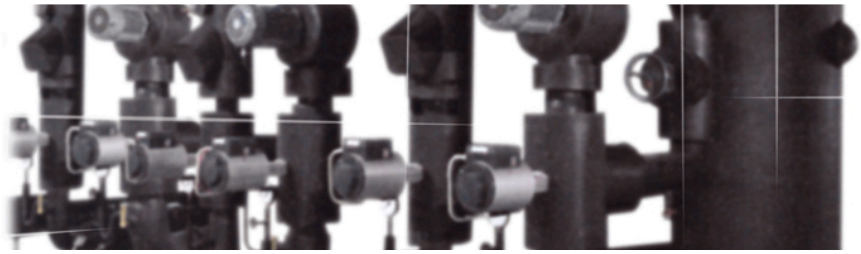

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TECHNICAL DATA - ARMAFLEX HT-C

Brief description	ArmaFlex HT-C is a highly flexible, closed-cell insulation material for outdoor and high temperature application.
Material type	Factory-made flexible elastomeric foam based on ethylene propylene diene methylene (EPDM), according to EN 14304.
Product colour range	Black
Applications	Thermal insulation of pipes, vessels and ducts in solar collectors , motor vehicles, hot gas lines, steam lines and dual temperature lines.
Installation	Please refer to the ArmaFlex application manual for advice.

Property	Value / Assessment			Standard / Test method
Temperature range				
Service temperature[1]	Min. °C	Max. °C		
	-50	150		
	Remarks	+125°C if sheet is glued to the object with its whole surface Contact Armacell for applications beyond recommended service temperature range.		
Thermal conductivity				
Declared thermal conductivity	θm	0°C	40°C	GB/T 10294, GB/T 10295, GB/T 10296, GB/T 17794
	λd ≤ [W/(m·K)]	0.038	0.042	
Fire Performance and Approvals				
Surface spread of flame	Class 1			BS 476 Part 7
Fire performance				
Practical fire behaviour	Does not generate flaming droplets.			
Resistance to water vapour				
Water vapour diffusion resistance factor	μ ≥ 2500			GB/T 17794
Weather and UV resistance				
Outdoor use	Under certain conditions in outdoor applications, there may be surface discolouration and minor surface cracks on the material. However, this visual changes has no impact on the physical properties of the material, such as thermal conductivity and behaviour in case of fire.			
Health and environment				
Health aspects	Free of fibre and formaldehyde.			

[1] At high service temperatures, a certain hardening process may start on the inner surface of the material. Investigations have shown that these changes have no impact on the good physical and fire protection properties of the material, provided the material is installed in a correct way with all its joints properly sealed. For specific applications please consult our technical service.

Item	Thickness [mm]	Width (m)	Length [m]	Content [metric]
HT-09100CS-C	9	1	10	10 m²
HT-13100CS-C	13	1	8	8 m²
HT-19100CS-C	19	1	5.5	5.5 m²
HT-25100CS-2				
HT-25100CS-C	25	1	4	4 m²

ArmaFlex | ArmaFlex HT-C | Brochure | 062024 | en-SG

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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