DESIGNED FOR HIGH TEMPERATURE APPLICATIONS

ArmaFlex® HT-C

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

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ArmaFlex®

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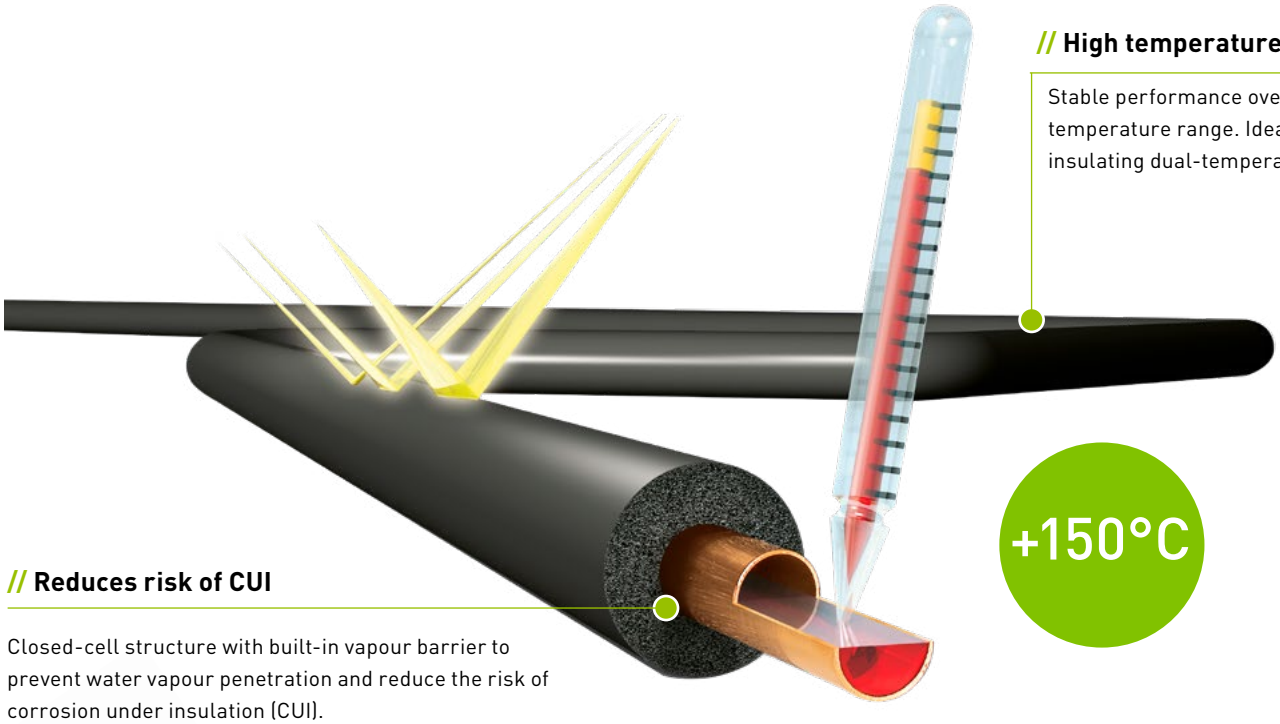
ArmaFlex HT-C

Designed for insulating heating, process piping systems and industrial applications with operating temperature up to 150°C.



// High temperature resilience

Stable performance over a wide temperature range. Ideal for insulating dual-temperature pipes.

// Reduces risk of CUI

Closed-cell structure with built-in vapour barrier to prevent water vapour penetration and reduce the risk of corrosion under insulation (CUI).

Heating system

Process piping system

Industrial use

Area of application

ArmaFlex HT-C is widely used for the thermal insulation of process pipelines, high temperature gas pipelines, automobile engine rooms, dual-temperature pipelines, low pressure steam pipelines, chemical storage tanks, district heating pipelines, industrial pipelines, solar water heaters, high pressure and high temperature piping for air source heat pump units.

TECHNICAL DATA - ARMAFLEX HT-C

Brief description	ArmaFlex HT-C is a highly flexible, closed-cell insulation material.
Material type	Synthetic EPDM rubber based foam
Colour	Black
Special features	Free of CFC and HCFC.
Applications[1]	Thermal insulation of pipes, vessels and ducts in solar collectors , motor vehicles, hot gas lines, steam lines and dual temperature lines.

Property	Value/Assessment				Standard/Test method
Temperature range					
Service temperature	Maximum	+125 °C (sheets)	+150 °C (tubes)		Please contact the Armacell team if the required operating temperature is beyond this range.
	Minimum	-50 °C	-50 °C		
Thermal conductivity (average temperature)					
	θm	0	+40	[°C]	GB 10295, GB 10296
	λ ≤	0.038	0.042	[W/(m·K)]	
Water vapour diffusion resistance					
Water vapour diffusion resistance factor	sheets	μ ≥ 2500			GB/T 17794
	tubes	μ ≥ 4000			
Fire performance					
Surface spread of flames	Class 1				BS 476 part 7
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames.				

1. 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.

2. 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.

Tubes (2.0m length)

Minimum insulation inner diameter [mm]	9mm average thickness		13mm average thickness		19mm average thickness		25mm average thickness	
	Item	Carton content [m]	Item	Carton content [m]	Item	Carton content [m]	Item	Carton content [m]
10	**HT-09010C**	220	**HT-13010C**	144	—	—	—	—
12	**HT-09012C**	180	**#HT-13012C**	120	**HT-19012C**	64	**#HT-25012C**	40
15	**HT-09015C**	160	**#HT-13015C**	112	**#HT-19015C**	56	**#HT-25015C**	40
18	**HT-09018C**	128	**#HT-13018C**	96	**HT-19018C**	50	**#HT-25018C**	36
22	**HT-09022C**	112	**#HT-13022C**	90	**#HT-19022C**	40	**#HT-25022C**	36
28	**HT-09028C**	86	**#HT-13028C**	72	**#HT-19028C**	36	**#HT-25028C**	32
35	**HT-09035C**	64	**#HT-13035C**	58	**#HT-19035C**	32	**#HT-25035C**	24
42	**HT-09042C**	54	**#HT-13042C**	50	**#HT-19042C**	28	**#HT-25042C**	24
48	**HT-09048C**	40	**#HT-13048C**	40	**#HT-19048C**	24	**#HT-25048C**	18
54	**HT-09054C**	36	**#HT-13054C**	32	**#HT-19054C**	18	**#HT-25054C**	16
57	—	—	**#HT-13057C**	30	**#HT-19057C**	16	**#HT-25057C**	16
60	—	—	**#HT-13060C**	30	**#HT-19060C**	16	**#HT-25060C**	16
76	—	—	**#HT-13076C**	24	**#HT-19076C**	16	**#HT-25076C**	12
89	—	—	**#HT-13089C**	18	**#HT-19089C**	14	**#HT-25089C**	10

Sheets (continuous roll, 1.0m width)

Item	Thickness [mm]	Carton content [sqm]	Length [m]
#HT-09100CS-C	9	10	10
HT-13100CS-C	13	8	8
HT-19100CS-C	19	5.5	5.5
HT-25100CS-C	25	4	4

#Made to order. Minimum order quantities and different lead times may apply.
Product size is measured in accordance to the environment standards specified under GB/T 2918.

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At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our Data Protection Policy.

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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 3,200 employees and 25 production plants in 17 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.

For more information, please visit:
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