



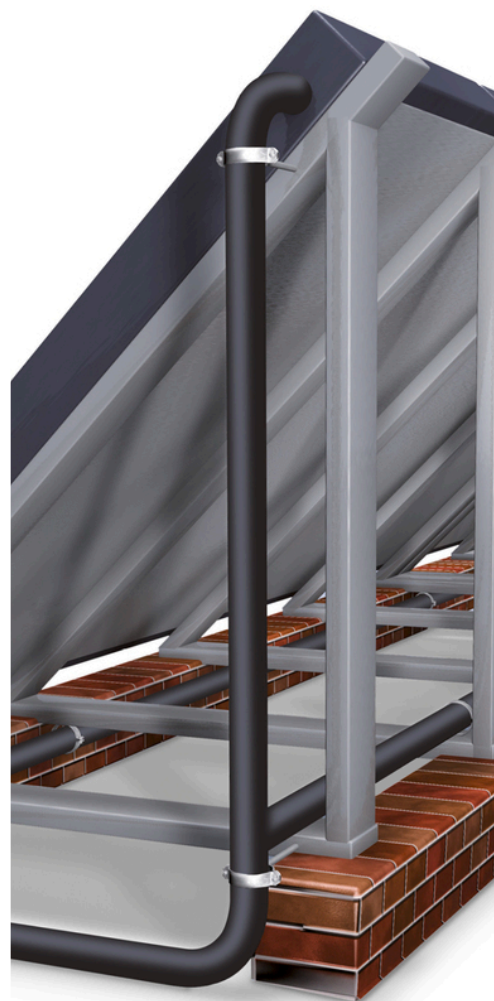
INSTALL IT. TRUST IT.

# HT/ArmaFlex S

HT/ArmaFlex S is a pre-covered, flexible elastomeric insulation material with exceptional resistance to UV radiation, specifically designed for outdoor applications

- // Exceptional UV/weathering resistance
- // Built to endure: Strong and durable performance for outdoor installations
- // Wide operating temperature range (-50 °C / +150 °C)

[www.armacell.eu](http://www.armacell.eu)



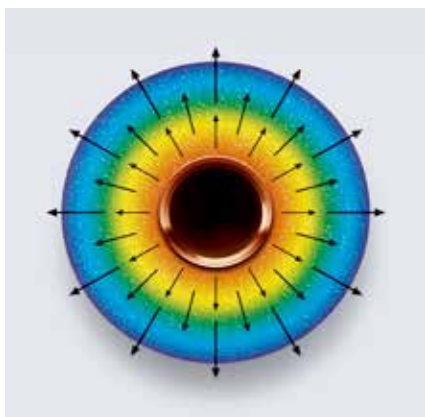
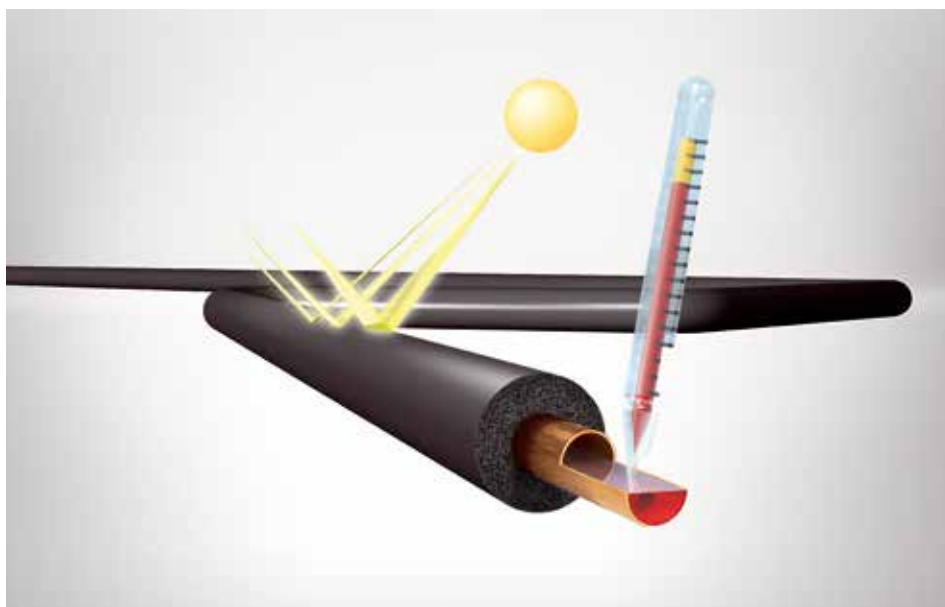
 **armacell**<sup>®</sup>  
ArmaFlex<sup>®</sup>

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# HT/ArmaFlex

## THE EXPERT FOR HIGH TEMPERATURE



HT/ArmaFlex® is a flexible elastomer insulation material with exceptional resistance to UV radiation and high temperatures. Its closed cell structure and low thermal conductivity keep water vapour from diffusing in and reduce energy losses, protecting and optimising the efficiency and life time expectancy of the installation. While remaining flexible at application temperatures of up to 150°C, HT/ArmaFlex® is dust and fibre free and easy to install without special tools. The product does not need additional jacketing, does not degrade in sunlight and withstands incidental oil contact.

Thanks to the thermal properties of the insulation, the heat flow from pipelines insulated with HT/ArmaFlex® is kept at its utmost minimum. The evenly spread, homogenous and longterm stable closed cell structure prevents heat flow on the way of convection, ensuring very low thermal conductivity of the insulation material. This to keep the outer surface temperature at a low level and prevents unnecessary heat losses. Because of the flexibility of HT/ArmaFlex®, the huge temperature gradient of the thickness of insulation does not result in any internal stress.

TECHNICAL DATA - HT/ARMAFLEX S

Brief description	Highly flexible, closed cell insulation material based on extruded elastomer foam, covered with a polyolefin-copolymer coating. Specially designed for outdoor and high temperature applications up to +150°C.
Material type	Factory-made flexible elastomeric foam based on ethylene propylene diene methylene (EPDM), according to EN 14304.
Product colour range	Black foam with black covering Black foam with white covering
Special features	UV resistance testing regarding of these materials showed excellent results. When used on outdoor applications, the materials showed very good durability even under UV exposure. However, due to the unpredictable nature of outdoor conditions in the whole variety of thinkable installations, there might be occasional weathering influences on the consistence of the material, which cannot be tested in advance. Therefore, installations in extreme environments (regions of extreme weather conditions like high mountains etc.) cannot be recommended. In case of doubt, please contact our Customer Service.
Applications	Thermal insulation for pipework in e.g. solar collectors including outdoor installation, motor vehicles, hot gas and steam lines as well as dual temperature lines.
Installation	Use ArmaFlex HT625 adhesive for a reliable and seamless installation.

Property	Value / Assessment			Standard / Test method
Temperature range				
Service temperature <sup>1,2</sup>	Range	Min. °C	Max. °C	EN 14706, EN 14707, EN 14304
	Full range	-50	150	
	Remarks	+85 °C for tapes		
Thermal conductivity				
Declared thermal conductivity	Øm	40°C		EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0,040		
	Range	Tubes		
	Formula	λ = [36.92 + 0.125 · Øm + 0.0008 · (Øm-30)²] / 1000]		
Fire Performance and Approvals				
Reaction to fire	E(L)			EN 13501-1, EN ISO 11925-2
Fire performance				
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames.			
Physical attributes				
Dimensions and tolerances	In accordance with EN 14304, table 1.			EN 822, EN 823, EN 13467
Weather and UV resistance				
UV resistance	Excellent			EN ISO 4892-2
Health and environment				
Additional features	SCCP, MCCP-free			

<sup>1</sup>For temperatures above +125 °C or below -50 °C, please contact our Customer Service Centre to request for the corresponding technical information.

<sup>2</sup>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.

Tube – precovered. White. 2m Length.

13 mm						20 mm					
Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]	Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]
12	13	16	HT-13X012-SWH	7612207302943	130 m	12	13	16	HT-20X012-SWH	7612207288681	70 m
15	16	19	HT-13X015-SWH	7612207302950	112 m	15	16	19	HT-20X015-SWH	7612207258226	64 m
18	19	22	HT-13X018-SWH	7612207302967	98 m	18	19	22	HT-20X018-SWH	7612207258233	58 m
22	23	26	HT-13X022-SWH	7612207302974	84 m	22	23	26	HT-20X022-SWH	7612207258240	50 m
28	29	32	HT-13X028-SWH	7612207302981	64 m	28	29	32	HT-20X028-SWH	7612207258257	40 m
-	-	-	-	-	-	35	36	39	HT-20X035-SWH	7612207258264	32 m
-	-	-	-	-	-	42	43	46	HT-20X042-SWH	7612207290462	24 m

Other information

Length tolerance	±1,5 %
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Tube – precovered. White. 2m Length.

32 mm					
Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]
15	16	19	HT-32X015-SWH	7612207350043	36 m
18	19	22	HT-32X018-SWH	7612207350050	30 m
22	23	26	HT-32X022-SWH	7612207350067	28 m
28	29	32	HT-32X028-SWH	7612207350074	24 m
35	36	39	HT-32X035-SWH	7612207350081	22 m
42	43	46	HT-32X042-SWH	7612207350098	18 m
48	49	52	HT-32X048-SWH	7612207350104	16 m
54	55	58	HT-32X054-SWH	7612207350111	16 m
64	65	68	HT-32X064-SWH	7612207350128	12 m

Other information

Length tolerance	±1,5 %
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Tube – coated. Black. 2m Length.

13 mm						20 mm					
Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]	Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]
15	16	19	HT-13X015-SBK	7612207307672	112 m	15	16	19	HT-20X015-SBK	7612207290868	64 m
18	19	22	HT-13X018-SBK	7612207307689	98 m	18	19	22	HT-20X018-SBK	7612207290875	58 m
22	23	26	HT-13X022-SBK	7612207307696	84 m	22	23	26	HT-20X022-SBK	7612207290882	50 m
28	29	32	HT-13X028-SBK	7612207307702	64 m	28	29	32	HT-20X028-SBK	7612207290899	40 m

Tube – coated. Black. 2m Length.

13 mm						20 mm					
Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]	Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]
-	-	-	-	-	-	35	36	39	HT-20X035-SBK	7612207290905	32 m
-	-	-	-	-	-	42	43	46	HT-20X042-SBK	7612207290912	24 m
Other information											
Length tolerance			±1,5 %								

Tube – coated. Black. 2m Length.

32 mm					
Pipe Ø [mm]	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Item	EAN	Primary content [metric]
18	19	22	HT-32X018-SBK	7612207349962	30 m
22	23	26	HT-32X022-SBK	7612207349979	28 m
28	29	32	HT-32X028-SBK	7612207349986	24 m
35	36	39	HT-32X035-SBK	7612207349993	22 m
42	43	46	HT-32X042-SBK	7612207350005	18 m
Other information					
Length tolerance		±1,5 %			

Tape – PVC. White

Item	Thickness [mm]	Width [mm]	Length [m]	EAN	Primary content [pieces]
TAPE-PE-FE902	0,23	50	25	7612207296105	30 roll

Tape – PVC. Black

Item	Thickness [mm]	Width [mm]	Length [m]	EAN	Primary content [pieces]
TAPE-PE-FE904	0,23	50	25	7612207318906	30 roll

Adhesives and Cleaners

Item	Description	Primary content [pieces]
ADH-HT625/0,25	ArmaFlex HT625 one-component adhesive. Available as 0.25 litre cans (with brush).	40 tin
ADH-HT625/0,5	ArmaFlex HT625 one-component adhesive. Available as 0.5 litre cans.	12 tin
ADH-HT625/1,0	ArmaFlex HT625 one-component adhesive. Available as 1.0 litre cans.	12 tin
CLEANER/1,0	Special cleaner for use with ArmaFlex adhesives	4 tin
SF-CLEANER/1,0	Solvent-free cleaner for use with ArmaFlex	6 tin

# OUR CUSTOMERS EXPECT THE BEST. WE WORK HARD TO GO BEYOND THAT AND EXCEED THEIR EXPECTATIONS.

At Armacell we want to create a unique customer experience. We understand the challenges of today's construction industry and support you in the successful delivery of your projects. From planning to delivery, our 360° service supports you throughout the entire process.



## **SERVICE AND TECHNICAL INFORMATION AVAILABLE 24/7**

At Armacell, we do everything we can to ensure your project runs smoothly. This is why the information about the Armacell services you benefit from is available 24/7 from Armacell.com website as well as from our planning tools (BIM, specification documents, ArmaWin, as well as our sustainable building policy)



## **DEDICATED LOCAL CONTACTS**

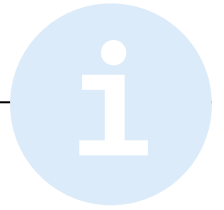
We aim to create open lines of communication with our customers. From on-site trainings and webinars by our Armacell technical experts advising on project planning and safety instructions to our local dedicated sales and customer services, your local Armacell dedicated team is working in partnership with you to achieve more together.



## **DIGITAL INFORMATION FLOWS**

From order to delivery, we also provide you with digital information flows such as EDI and other well-known data formats that are widely used in the construction sector worldwide.





### OUR STANDARD LOGISTICS SERVICES INCLUDE

- // Material ordered will be shipped from our facilities within 48 hours after order confirmation
- // Full truck loads and full pallets (not mixed – 1 SKU per pallet)
- // List prices in this document are based on Ex Works
- // Container loading with standard goods
- // Customs clearance (including documentation) for standard deliveries outside EU
- // Dangerous goods process for road freight

### WE GO BEYOND STANDARD SERVICES AND ALSO PROPOSE YOU ADDITIONAL SERVICES\*

#### OPIMISED PACKAGING

- Edge protection
- Strapping
- Doubled stretching
- Reinforced cardboard with extra layer
- Additional warning tape

#### LABELLING

- Extra label for transport instructions

#### EXTRA DELIVERY SERVICES

- Just in time delivery
- Delivery with lifting platform for partial or complete load
- Express and direct shipments
- Booking a delivery time slot via your EDP system
- Forklift truck for unloading at construction site
- Air and sea freight deliveries
- Dangerous goods shipment process for air and sea freight



To mitigate cost increases and reduce waste generation, we also propose a pallet return service\* by which pallets can be handed at Armacell collection points.

\* Please contact your local Customer Service Centre to see which of these services apply to your country.

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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 27 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:  
[www.armacell.com](http://www.armacell.com)