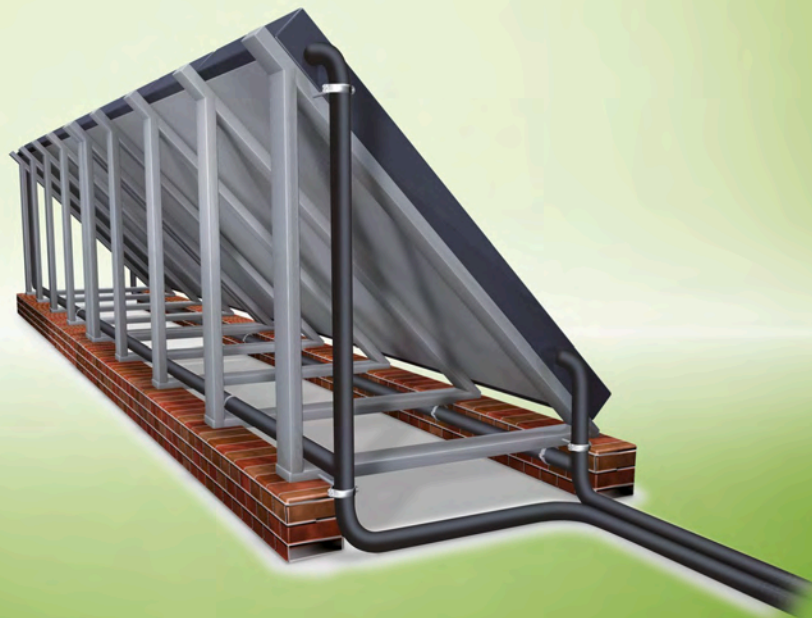




HT/ARMAFLEX S

FOR HIGH TEMPERATURE OUTDOOR  
APPLICATIONS



- Delivers superior long-term durability
- Coating provides good resistance to UV radiation and mechanical impact
- Reduces risk of corrosion under insulation (CUI)

## Technical Data - HT/Armaflex S

Brief description	Highly flexible, closed cell insulation material based on extruded elastomer foam, covered with a polyolefin- copolymer coating. Especially designed for outside- and high temperature applications of up to +150 °C.
Material type	Insulation: Synthetic EPDM rubber based foam. Factory made flexible elastomeric foam (FEF) according to EN 14304. Facing: polyolefin- copolymer coating.
Colour	white / black (facing)
Applications	Thermal insulation for pipework in: solar collectors including outdoors, motor vehicles, hot gas lines and steam and dual temperature lines.
Special Features	Resistant to UV radiation.
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> : <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a>

Property	Value/Assessment	Test <sup>*1</sup>	Special Remark
<b>Temperature Range</b>			
Temperature Range <sup>1</sup>	max. service temperature + 150 °C (+ 85 °C for tapes)	EU 5768	Tested according to: EN 14706 EN 14707 EN 14304
	min. service temperature -50 °C		
<b>Thermal Conductivity</b>			
Thermal Conductivity	$\vartheta_m$ 40 °C $\lambda =$	EU 5786	Declared according to EN ISO 13787 Tested according to EN ISO 8497
tubes	$\lambda \leq 0,042$ W/(m · K) $\frac{[36,92 + 0,125 \cdot \vartheta_m + 0,0008 \cdot (\vartheta_m - 30)^2]}{1000}$		
<b>Water vapour diffusion resistance</b>			
Water vapour diffusion resistance	$\mu \geq 4.000$	EU 5768	Tested according to EN 13469
<b>Fire performance</b>			
Reaction to fire	Euroclass E	EU 5768	Classified acc. to EN 13501-1 Tested according to EN ISO 11925-2
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames		
<b>Other technical features</b>			
Dimensions and tolerances	In accordance with EN 14304, table 1	EU 5768	Tested acc. to EN 822, EN 823, EN 13467
UV resistance	Very Good	TB 142, D5793	Tested according to EN ISO 4892-2 (Xenon-test)

1. For temperatures above +125 °C or below -50 °C please contact our Customer Service Center to request for the corresponding technical information.

2. With outdoor applications, in certain circumstances the material may experience a discoloration of the surface and some minor surface cracks will appear. The visual appearance however has no influence on the physical properties of the material, such as thermal conductivity and behaviour in case of fire.

\*1 Further documents such as test certificates, approvals and the like can be requested using the registration number given.

All data and technical information are based on results achieved under typical application conditions. Recipients of this information should, in their own interest and responsibility, clarify with us in due time whether or not the data and information apply to the intended application area. Installation instructions are available in our Armaflex installation manual. Please consult our Customer Service Center before insulating stainless steels. Armaflex HT625 adhesive must be used to guarantee proper installation. For temperatures below -50 °C or above +150 °C, please consult our Customer Service Center for further information.

## HT/Armaflex S tubes



Length 2,0 m

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	13,0 mm [white] insulation thickness		13,0 mm [black] insulation thickness	
		Code	m/carton	Code	m/carton
12	13,5 - 15,0	HT-13X012-SWH	130	-	-
15	16,5 - 18,0	HT-13X015-SWH	112	HT-13X015-SBK	112
18	19,5 - 21,0	HT-13X018-SWH	98	HT-13X018-SBK	98
22	23,5 - 25,0	HT-13X022-SWH	84	HT-13X022-SBK	84
28	29,5 - 31,0	HT-13X028-SWH	64	HT-13X028-SBK	64

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	20,0 mm [white] insulation thickness		20,0 mm [black] insulation thickness	
		Code	m/carton	Code	m/carton
12	13,5 - 15,0	HT-20X012-SWH	70	-	-
15	16,5 - 18,0	HT-20X015-SWH	64	HT-20X015-SBK	64
18	19,5 - 21,0	HT-20X018-SWH	58	HT-20X018-SBK	58
22	23,5 - 25,0	HT-20X022-SWH	50	HT-20X022-SBK	50
28	29,5 - 31,0	HT-20X028-SWH	40	HT-20X028-SBK	40
35	36,5 - 38,5	HT-20X035-SWH	32	HT-20X035-SBK	32
42	44,0 - 46,0	HT-20X042-SWH	24	HT-20X042-SBK	24

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	32,0 mm [white] insulation thickness		32,0 mm [black] insulation thickness	
		Code	m/carton	Code	m/carton
15	16,5 - 18,0	HT-32X015-SWH	36	-	-
18	19,5 - 21,0	HT-32X018-SWH	30	HT-32X018-SBK	30
22	23,5 - 25,0	HT-32X022-SWH	28	HT-32X022-SBK	28
28	29,5 - 31,0	HT-32X028-SWH	24	HT-32X028-SBK	24
35	36,5 - 38,5	HT-32X035-SWH	22	HT-32X035-SBK	22
42	44,0 - 46,0	HT-32X042-SWH	18	HT-32X042-SBK	18
48	50,0 - 56,0	HT-32X048-SWH	16	-	-
54	56,0 - 59,0	HT-32X054-SWH	16	-	-
64	66,0 - 69,0	HT-32X064-SWH	12	-	-

Length tolerance for tubes

± 1,5%

Thickness tolerance

10 - 13 mm ± 1,5 mm  
19 - 25 mm ± 2,5 mm  
32 mm ± 3,0 mm

## HT/Armaflex S tapes self-adhesive



Code	Colour	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton
TAPE-PE-FE902	white	50,0	25	0.23	30
TAPE-PE-FE904	black	50,0	25	0.23	30

