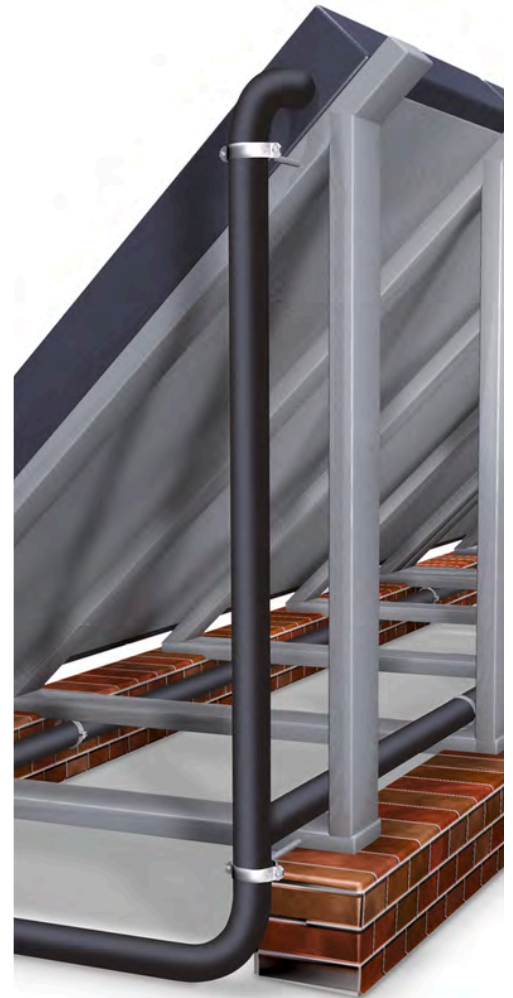


INSTALL IT. TRUST IT.

HT/ArmaFlex S

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)



 **armacell**[®]
ArmaFlex[®]

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.
Declaration of performance	Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at www.armacell.com/DoP .

Property	Value / Assessment			Standard / Test method
Temperature range				
Service temperature ^{1,2}	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	θm	40°C		EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0,042		
	Range	Tubes		
	Formula	λ = [36.92 + 0.125 · θm + 0.0008 · (θm-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.			
Resistance to water vapour				
Water vapour diffusion resistance factor	μ ≥ 4.000.			EN 13469
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			

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

²At 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]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]	Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]
12	HT-13X012-SWH	13	16	7612207302943	130 m	12	HT-20X012-SWH	13	16	7612207288681	70 m
15	HT-13X015-SWH	16	19	7612207302950	112 m	15	HT-20X015-SWH	16	19	7612207258226	64 m
18	HT-13X018-SWH	19	22	7612207302967	98 m	18	HT-20X018-SWH	19	22	7612207258233	58 m
22	HT-13X022-SWH	23	26	7612207302974	84 m	22	HT-20X022-SWH	23	26	7612207258240	50 m
28	HT-13X028-SWH	29	32	7612207302981	64 m	28	HT-20X028-SWH	29	32	7612207258257	40 m
-	-	-	-	-	-	35	HT-20X035-SWH	36	39	7612207258264	32 m
-	-	-	-	-	-	42	HT-20X042-SWH	43	46	7612207290462	24 m

Other information

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

Length tolerance
 ±1,5 %

Tube – precovered. White. 2m Length.

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

Other information

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

Length tolerance
 ±1,5 %

Tube – coated. Black. 2m Length.

13 mm						20 mm					
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]	Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]
15	HT-13X015-SBK	16	19	7612207307672	112 m	15	HT-20X015-SBK	16	19	7612207290868	64 m

Tube – coated. Black. 2m Length.

13 mm						20 mm					
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]	Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]
18	HT-13X018-SBK	19	22	7612207307689	98 m	18	HT-20X018-SBK	19	22	7612207290875	58 m
22	HT-13X022-SBK	23	26	7612207307696	84 m	22	HT-20X022-SBK	23	26	7612207290882	50 m
28	HT-13X028-SBK	29	32	7612207307702	64 m	28	HT-20X028-SBK	29	32	7612207290899	40 m
-	-	-	-	-	-	35	HT-20X035-SBK	36	39	7612207290905	32 m
-	-	-	-	-	-	42	HT-20X042-SBK	43	46	7612207290912	24 m

Other information

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

Length tolerance ±1,5 %

Tube – coated. Black. 2m Length.

32 mm					
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	EAN	Content [metric]
18	HT-32X018-SBK	19	22	7612207349962	30 m
22	HT-32X022-SBK	23	26	7612207349979	28 m
28	HT-32X028-SBK	29	32	7612207349986	24 m
35	HT-32X035-SBK	36	39	7612207349993	22 m
42	HT-32X042-SBK	43	46	7612207350005	18 m

Other information

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

Length tolerance ±1,5 %

Tape – PVC. White

Item	Description	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
TAPE-PE-FE902	HT/ArmaFlex S tape. Polyolefin UV-resistant carrier with adhesive on one side, self-seal.	0,23	50	25	30 roll

Tape – PVC. Black

Item	Description	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
TAPE-PE-FE904	HT/ArmaFlex S tape. Polyolefin UV-resistant carrier with adhesive on one side, self-seal.	0,23	50	25	30 roll

Adhesives and Cleaners

Item	Description	Content [quantity]
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