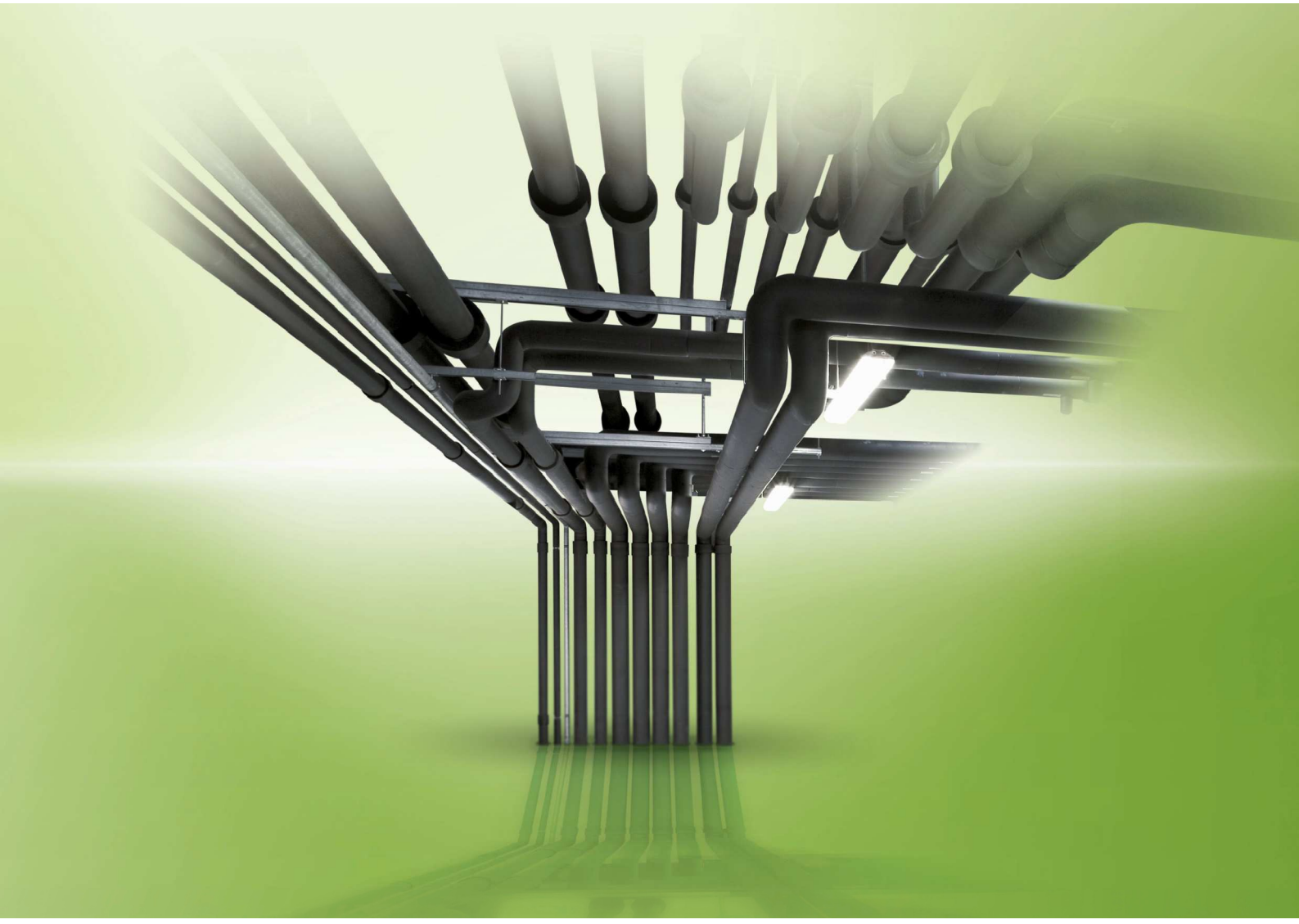
Armaflex® XG

THE VERSATILE SOLUTION FOR PROFESSIONALS



- Full range for easy application on all pipe and duct sizes
- Effective reduction of thermal losses
- System security with Armafix and Armaflex Adhesives
- Available as lap-seal and top-seal solutions

Technical Data - Armaflex XG

Brief description	Highly-flexible, closed-cell insulation material with high water vapour diffusion resistance and low thermal conductivity.
Material type	Elastomeric foam based on synthetic rubber. Factory made flexible elastomeric foam (FEF) according to EN 14304.
Colour	black
Material Special Information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure. Covered with polyethylene foil. Traces of silicon can be found on the protection paper/foil used to protect self-adhesive closures.
Applications	Insulation / protection of pipes, air ducts, vessels (incl. elbows, fittings, flanges etc.) of air-conditioning, refrigeration and process equipment to prevent condensation and save energy as well as insulation of pipes in sanitary and heating applications.
Remarks	Declaration of Performance is available in accordance with Article 7(3) of Regulation (EU) No 305/2011 on our homepage: www.armacell.com/DoP

Property	Value/Assessment					Test*1	Super-vision*2	Special Remark
Temperature Range								
Temperature Range	max. service temperature		+110 °C		(+85 °C if sheet or tape is glued to the object with its whole surface.)	EU 5702	○/●	Tested acc.to EN 14706, EN 14707 and EN 14304
	min. service temperature[1]		-50 °C					
Thermal Conductivity								
Thermal Conductivity		ϑ_m +/-0 °C		.	λ=	EU 5702	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
	Tubes 6-19 mm	λ ≤ 0,035		W/(m · K)	$[35 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot \vartheta_m^2]/1000$			
	Sheets 6-25 mm, tape	λ ≤ 0,035		W/(m · K)	$[35 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot \vartheta_m^2]/1000$			
	tubes 25-40 mm	λ ≤ 0,036		W/(m · K)	$[36 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot \vartheta_m^2]/1000$			
	sheets 32-40 mm	λ ≤ 0,036		W/(m · K)	$[36 + 0{,}1 \cdot \vartheta_m + 0{,}0008 \cdot \vartheta_m^2]/1000$			
Water vapour diffusion resistance								
Water vapour diffusion resistance	sheets 6-25 mm; tubes 6-19 mm	μ	≥	10.000		EU 5702	○/●	Tested acc. to EN 12086 EN 13469
	sheets 32-40 mm; tubes 25-40 mm	μ	≥	7.000				
Fire performance								
Reaction to fire	tubes		B_L-s3, d0			EU 5702	○/●	Classified acc. to EN 13501-1 Tested acc. to EN 13823 EN ISO 11925-2
	sheets		B-s3,d0					
	tape		B-s3, d0					
Practical Fire Behaviour	Self-extinguishing, does not drip, does not spread flames							
Other technical features								
Dimensions and tolerances	In accordance with EN 14304, table 1					EU 5702	○/●	Tested according to EN 822, EN 823, EN 13467
UV resistance[2]	Protection against UV-radiation is necessary.							
Storage & Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes: 1 year							Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).

1. For temperatures below -50 °C please contact our Customer Service Center to request for the corresponding technical information.
2. If Armaflex is applied under UV-radiation the material must be protected within 3 days with a covering.

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

*2 ●: Official supervision by independent institutes and /or test authorities
○: Own in-factory quality monitoring

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 sales representatives before insulating stainless steels. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

2018 © Armacell Enterprise GmbH & Co. KG – Subject to alterations without prior notice. Our general conditions of sales & delivery shall apply.

Armaflex XG tubes

Length 2,0 m, Color black

Pipe max. Outside-Ø [mm]	**6,0 mm** insulation thickness		**9,0 mm** insulation thickness	
	Code	m/carton	Code	m/carton
6	**XG-06X006**	496	**XG-09X006**	352
8	**XG-06X008**	432	**XG-09X008**	300
10	**XG-06X010**	380	**XG-09X010**	266
12	**XG-06X012**	330	**XG-09X012**	234
15	**XG-06X015**	280	**XG-09X015**	200
18	**XG-06X018**	210	**XG-09X018**	166
20	-	-	**XG-09X020** ●	140
22	**XG-06X022**	170	**XG-09X022**	140
25	-	-	**XG-09X025** ●	108
28	**XG-06X028**	112	**XG-09X028**	98
30	-	-	**XG-09X030** ●	92
32	-	-	**XG-09X032** ●	80
35	**XG-06X035** ●	92	**XG-09X035**	76
40	-	-	**XG-09X040** ●	66
42	-	-	**XG-09X042**	64
48	-	-	**XG-09X048**	54
50	-	-	**XG-09X050** ●	46
54	-	-	**XG-09X054**	52
60	-	-	**XG-09X060**	48
64	-	-	**XG-09X064**	44
70	-	-	**XG-09X070** ●	32
76	-	-	**XG-09X076**	32
89	-	-	**XG-09X089**	28
102	-	-	**XG-09X102** ●	26
108	-	-	**XG-09X108** ●	26
110	-	-	**XG-09X110** ●	24
114	-	-	**XG-09X114**	24
125	-	-	**XG-09X125** ●	14
140	-	-	**XG-09X140** ●	14
160	-	-	**XG-09X160** ●	10

2018 © Armacell Enterprise GmbH & Co. KG – Subject to alterations without prior notice. Our general conditions of sales & delivery shall apply.

Armaflex XG tubes

Length 2,0 m, Color black

Pipe max. Outside-Ø [mm]	13,0 mm insulation thickness		19,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
6	**XG-13X006**	200	**XG-19X006**	100
10	**XG-13X010**	172	**XG-19X010**	92
12	**XG-13X012**	162	**XG-19X012**	84
15	**XG-13X015**	122	**XG-19X015**	72
18	**XG-13X018**	104	**XG-19X018**	60
20	**XG-13X020 ●**	104	**XG-19X020 ●**	58
22	**XG-13X022**	100	**XG-19X022**	56
25	**XG-13X025 ●**	88	**XG-19X025 ●**	50
28	**XG-13X028**	82	**XG-19X028**	48
30	**XG-13X030 ●**	72	-	-
32	**XG-13X032 ●**	64	**XG-19X032 ●**	36
35	**XG-13X035**	60	**XG-19X035**	36
40	**XG-13X040 ●**	50	**XG-19X040 ●**	32
42	**XG-13X042**	50	**XG-19X042**	32
48	**XG-13X048**	42	**XG-19X048**	28
50	**XG-13X050 ●**	38	**XG-19X050 ●**	24
54	**XG-13X054**	38	**XG-19X054**	24
60	**XG-13X060**	32	**XG-19X060**	24
64	**XG-13X064**	30	**XG-19X064**	20
70	**XG-13X070 ●**	28	**XG-19X070 ●**	18
76	**XG-13X076**	28	**XG-19X076**	18
80	**XG-13X080 ●**	20	**XG-19X080 ●**	16
89	**XG-13X089**	20	**XG-19X089**	16
102	**XG-13X102 ●**	20	**XG-19X102**	16
108	**XG-13X108**	20	**XG-19X108**	16
110	-	-	**XG-19X110 ●**	14
114	**XG-13X114**	20	**XG-19X114**	14
125	**XG-13X125**	18	**XG-19X125**	10
133	**XG-13X133**	16	**XG-19X133**	10
140	-	-	**XG-19X140**	10
160	-	-	**XG-19X160**	10
168	-	-	**XG-19X168**	8

Pipe max. Outside-Ø [mm]	25,0 mm insulation thickness		32,0 mm insulation thickness	
	Code	m/carton	Code	m/carton
12	**XG-25X012**	54	-	-
15	**XG-25X015**	48	-	-
18	**XG-25X018**	40	**XG-32X018**	32
22	**XG-25X022**	40	**XG-32X022**	24
28	**XG-25X028**	36	**XG-32X028**	24
30	**XG-25X030 ●**	30	-	-
35	**XG-25X035**	24	**XG-32X035**	18
40	-	-	**XG-32X040 ●**	18
42	**XG-25X042**	24	-	-
48	**XG-25X048**	20	**XG-32X048**	18
50	-	-	**XG-32X050 ●**	12
54	**XG-25X054**	18	**XG-32X054**	12
60	**XG-25X060**	18	**XG-32X060**	10
64	**XG-25X064**	16	**XG-32X064**	10
70	-	-	**XG-32X070 ●**	10
76	**XG-25X076**	12	**XG-32X076**	10
80	-	-	**XG-32X080 ●**	10
89	**XG-25X089**	12	**XG-32X089**	10
102	**XG-25X102 ●**	8	**XG-32X102**	6
108	**XG-25X108**	8	**XG-32X108**	6
114	**XG-25X114**	10	**XG-32X114**	8
125	-	-	**XG-32X125 ●**	6
133	-	-	**XG-32X133 ●**	6
140	**XG-25X140 ●**	4	**XG-32X140**	6
160	-	-	**XG-32X160**	4

2018 © Armacell Enterprise GmbH & Co. KG – Subject to alterations without prior notice. Our general conditions of sales & delivery shall apply.

Armaflex XG tubes

Length 2,0 m, Color black

Pipe max. Outside-Ø [mm]	**40,0 mm** insulation thickness			
	Code	m/carton		
28	**XG-40X028**	18	-	-
35	**XG-40X035** ●	16	-	-
42	**XG-40X042**	12	-	-
48	**XG-40X048**	12	-	-
54	**XG-40X054**	10	-	-
60	**XG-40X060**	10	-	-
76	**XG-40X076**	8	-	-
89	**XG-40X089** ●	6	-	-
102	**XG-40X102** ●	8	-	-
108	**XG-40X108** ●	4	-	-
114	**XG-40X114**	6	-	-
160	**XG-40X160** ●	4	-	-

Length tolerance for tubes	±1,5 %	
Thickness tolerance	≤ 8 mm:	±1,0 mm
	9 -18 mm:	±1,5 mm
	19 - 31 mm:	±2,5 mm
	> 31 mm:	±3,0 mm

● Item not in stock. Delivery on request. [MTO]

Armaflex XG tubes self-adhesive

Length 2,0 m, Color black

Pipe max. Outside-Ø [mm]	**9,0 mm** insulation thickness		**13,0 mm** insulation thickness	
	Code	m/carton	Code	m/carton
12	**XG-09X012-A**	234	**XG-13X012-A**	162
15	**XG-09X015-A**	200	**XG-13X015-A**	122
18	**XG-09X018-A**	166	**XG-13X018-A**	104
22	**XG-09X022-A**	140	**XG-13X022-A**	100
28	**XG-09X028-A**	98	**XG-13X028-A**	82
35	**XG-09X035-A**	76	**XG-13X035-A**	60
42	**XG-09X042-A**	64	**XG-13X042-A**	50
48	**XG-09X048-A** ●	54	**XG-13X048-A**	42
54	**XG-09X054-A** ●	52	**XG-13X054-A**	38
60	**XG-09X060-A** ●	48	**XG-13X060-A**	32
76	-	-	**XG-13X076-A**	28
89	-	-	**XG-13X089-A**	20

Pipe max. Outside-Ø [mm]	**19,0 mm** insulation thickness		**25,0 mm** insulation thickness	
	Code	m/carton	Code	m/carton
15	**XG-19X015-A** ●	72	-	-
18	**XG-19X018-A**	60	**XG-25X018-A**	40
22	**XG-19X022-A**	56	**XG-25X022-A**	40
28	**XG-19X028-A**	48	**XG-25X028-A**	36
35	**XG-19X035-A**	36	**XG-25X035-A**	24
42	**XG-19X042-A**	32	**XG-25X042-A**	24
48	**XG-19X048-A**	28	**XG-25X048-A**	20
54	**XG-19X054-A**	24	**XG-25X054-A**	18
60	**XG-19X060-A**	24	**XG-25X060-A**	18
76	**XG-19X076-A**	18	**XG-25X076-A**	12
89	**XG-19X089-A**	16	**XG-25X089-A**	12

Length tolerance for tubes	±1,5 %	
Thickness tolerance	≤ 8 mm:	±1,0 mm
	9 -18 mm:	±1,5 mm
	19 - 31 mm:	±2,5 mm
	> 31 mm:	±3,0 mm

● Item not in stock. Delivery on request. [MTO]

2018 © Armacell Enterprise GmbH & Co. KG – Subject to alterations without prior notice. Our general conditions of sales & delivery shall apply.

Armaflex XG tubes endless

Color black

Pipe max. Outside-Ø [mm]	**6,0 mm** insulation thickness		**9,0 mm** insulation thickness	
	Code	m/carton	Code	m/carton
6	**XG-06X006/E**	95	**XG-09X006/E**	70
8	**XG-06X008/E**	85	**XG-09X008/E** •	60
10	**XG-06X010/E**	75	**XG-09X010/E**	50
12	**XG-06X012/E**	65	**XG-09X012/E**	45
15	**XG-06X015/E**	55	**XG-09X015/E**	40
18	**XG-06X018/E**	45	**XG-09X018/E**	38
22	**XG-06X022/E**	40	**XG-09X022/E**	30
28	**XG-06X028/E**	30	**XG-09X028/E**	26

Pipe max. Outside-Ø [mm]	**13,0 mm** insulation thickness			
	Code	m/carton		
6	**XG-13X006/E**	45	-	-
10	**XG-13X010/E**	35	-	-
12	**XG-13X012/E**	32	-	-
15	**XG-13X015/E**	28	-	-
18	**XG-13X018/E**	27	-	-
22	**XG-13X022/E**	26	-	-
28	**XG-13X028/E**	20	-	-

Length tolerance for tubes	±1,5 %	
Thickness tolerance	≤ 8 mm:	±1,0 mm
	9 -18 mm:	±1,5 mm
	19 - 31 mm:	±2,5 mm
	> 31 mm:	±3,0 mm

• Item not in stock. Delivery on request. [MTO]

Armaflex XG sheets endless

Width 1,0 m

Code	Insulation thickness [mm]	Roll length [m]	m²/carton
XG-06-99/E	6,0	15	15
XG-09-99/E	9,0	10	10
XG-13-99/E	13,0	8	8
XG-19-99/E	19,0	6	6
XG-25-99/E	25,0	4	4
XG-32-99/E	32,0	3	3
XG-40-99/E	40,0	7	7

Length tolerance for sheets	±1,5 %	
Thickness tolerance for sheets	≤ 6 mm:	±1,0 mm
	7 -19 mm:	±1,5 mm
	>19 mm:	±2,0 mm

Armaflex XG sheets endless self-adhesive

Width 1,0 m, Color black

Code	Insulation thickness [mm]	Roll length [m]	m²/carton
XG-06-99/EA	6,0	15	15
XG-09-99/EA	9,0	10	10
XG-13-99/EA	13,0	8	8
XG-19-99/EA	19,0	6	6
XG-25-99/EA	25,0	4	4
XG-32-99/EA	32,0	3	3
XG-40-99/EA	40,0	7	7

Length tolerance for sheets	±1,5 %	
Thickness tolerance for sheets	≤ 6 mm:	±1,0 mm
	7 -19 mm:	±1,5 mm
	>19 mm:	±2,0 mm

2018 © Armacell Enterprise GmbH & Co. KG – Subject to alterations without prior notice. Our general conditions of sales & delivery shall apply.

Armaflex XG tapes self-adhesive

Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton
XG-TAPE	50,0	15	3	12

2018 © Armacell Enterprise GmbH & Co. KG – Subject to alterations without prior notice. Our general conditions of sales & delivery shall apply.