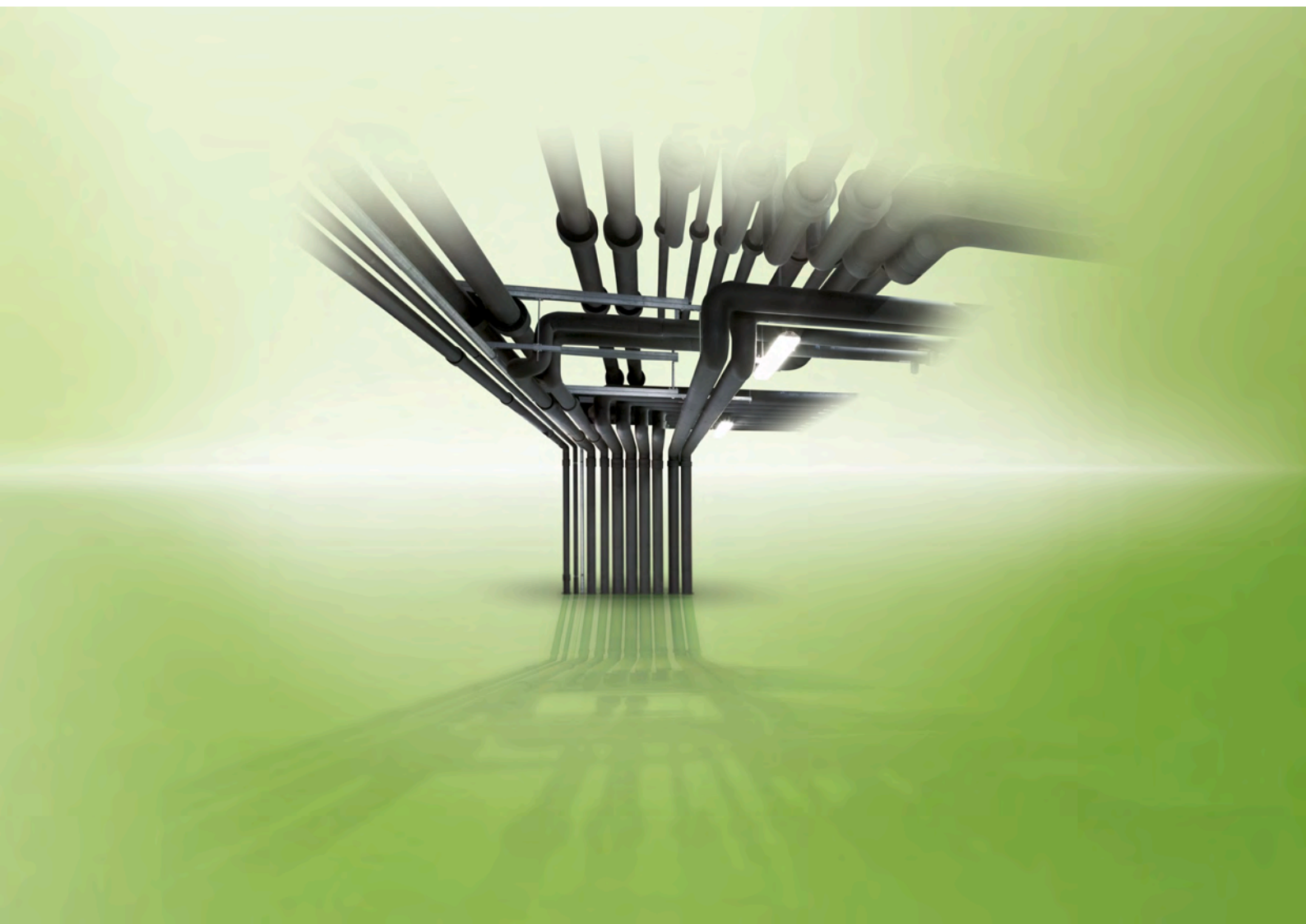


Armaflex® XG

THE VERSATILE FLEXIBLE INSULATION
BASED ON ARMAFLEX® TECHNOLOGY



- Reliable condensation control based on closed-cell Armaflex technology
- Effective reduction of thermal losses
- Optimal range for easy application on most common pipes & duct sizes
- Increased system security when installed with Armafix and Armaflex Adhesives

- Self-adhesive tubes available
- Euroclass B/B_L-s3,d0 for entire range

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	Certificate of Constancy of Performance, Güteschutzgemeinschaft Hartschaum e.V. , Celle

Property	Value/Assessment	Test ³	Super- vision ⁴	Special Remark
Temperature Range				
Temperature Range	max. service temperature +110 °C min. service temperature ¹ -50 °C	(+85 °C if sheet or tape is glued to the object with its whole surface.) EU 5654	o/●	Tested acc.to EN 14706, EN 14707 and EN 14304
Thermal Conductivity				
Thermal Conductivity	ϑ_m +/-0 °C . $\lambda=$	D 4784 EU 5654	o/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
	Tubes 6-19 mm $\lambda \leq 0,035$ W/(m · K) $[35 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$			
	Sheets 6-25 mm, tape $\lambda \leq 0,035$ W/(m · K) $[35 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$			
	tubes 25-40 mm $\lambda \leq 0,036$ W/(m · K) $[36 + 0,1 \cdot \vartheta_m + 0,0008 \cdot \vartheta_m^2]/1000$			
	sheets 32-40 mm $\lambda \leq 0,036$ 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 \geq 10.000	D 4935 D 5228 EU 5654	o/●	Tested acc. to EN 12086 EN 13469
	sheets 32-40 mm; tubes 25-40 mm μ \geq 7.000			
Fire performance				
Reaction to fire ²	tubes B _L -s3, d0	EU 5654	o/●	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 5654	o/●	Tested according to EN 822, EN 823, EN 13467
UV resistance	Protection against UV-radiation is necessary. See disclaimer.			
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 sales representatives to request for the corresponding technical information.

2. The reaction to fire classification is valid on metal surfaces.

*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

o: 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 outside use, Armaflex should be protected with Armafinish Paint or Arma-Chek covering within 3 days of installation. For some refrigerants the discharge temperature may exceed +110 °C, please consult our sales representatives for further information.

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	364	XG-09X010	266
12	XG-06X012	316	XG-09X012	200
15	XG-06X015	266	XG-09X015	192
18	XG-06X018	210	XG-09X018	140
20	-	-	XG-09X020 ●	140
22	XG-06X022	166	XG-09X022	136
25	XG-06X025 ●	112	XG-09X025 ●	108
28	XG-06X028	112	XG-09X028	98
30	-	-	XG-09X030 ●	92
32	-	-	XG-09X032 ●	80
35	XG-06X035 ●	92	XG-09X035	72
40	-	-	XG-09X040 ●	66
42	-	-	XG-09X042	60
48	-	-	XG-09X048	50
50	-	-	XG-09X050 ●	46
54	-	-	XG-09X054	46
60	-	-	XG-09X060	44
64	-	-	XG-09X064	44
70	-	-	XG-09X070 ●	32
76	-	-	XG-09X076	26
89	-	-	XG-09X089	20
102	-	-	XG-09X102 ●	20
108	-	-	XG-09X108 ●	20
110	-	-	XG-09X110 ●	20
114	-	-	XG-09X114	20
125	-	-	XG-09X125 ●	14
140	-	-	XG-09X140 ●	14
160	-	-	XG-09X160 ●	10

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	150	XG-19X010	92
12	XG-13X012	140	XG-19X012	84
15	XG-13X015	120	XG-19X015	72
18	XG-13X018	102	XG-19X018	60
20	XG-13X020 ●	104	XG-19X020 ●	58
22	XG-13X022	98	XG-19X022	56
25	XG-13X025 ●	88	XG-19X025 ●	50
28	XG-13X028	78	XG-19X028	48
30	XG-13X030 ●	72	-	-
32	XG-13X032 ●	64	XG-19X032 ●	36
35	XG-13X035	58	XG-19X035	36
40	XG-13X040 ●	48	XG-19X040 ●	32
42	XG-13X042	48	XG-19X042	32
48	XG-13X048	40	XG-19X048	24
50	XG-13X050 ●	34	XG-19X050 ●	24
54	XG-13X054	34	XG-19X054	24
60	XG-13X060	32	XG-19X060	24
64	XG-13X064	30	XG-19X064	20
70	XG-13X070 ●	24	XG-19X070 ●	18
76	XG-13X076	24	XG-19X076	16
80	XG-13X080 ●	20	XG-19X080 ●	16
89	XG-13X089	20	XG-19X089	16
102	XG-13X102 ●	20	XG-19X102	12
108	XG-13X108	20	XG-19X108	12
110	-	-	XG-19X110 ●	12
114	XG-13X114	18	XG-19X114	12
125	XG-13X125	16	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	36	XG-32X018	32
22	XG-25X022	36	XG-32X022	24
28	XG-25X028	32	XG-32X028	24
30	XG-25X030 ●	30	-	-
35	XG-25X035	24	XG-32X035	18
40	-	-	XG-32X040 ●	18
42	XG-25X042	24	XG-32X042	18
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 ●	6	XG-32X102	6
108	XG-25X108	6	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

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	-	-
64	XG-40X064 ●	10	-	-
76	XG-40X076	8	-	-
89	XG-40X089 ●	6	-	-
102	XG-40X102 ●	4	-	-
108	XG-40X108 ●	4	-	-
114	XG-40X114	4	-	-
140	XG-40X140 ●	2	-	-
160	XG-40X160	2	-	-
168	XG-40X168 ●	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 on stock. Delivery on request.

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	200	XG-13X012-A	140
15	XG-09X015-A	192	XG-13X015-A	120
18	XG-09X018-A	140	XG-13X018-A	102
22	XG-09X022-A	136	XG-13X022-A	98
28	XG-09X028-A	98	XG-13X028-A	78
35	XG-09X035-A	72	XG-13X035-A	58
42	XG-09X042-A	60	XG-13X042-A	48
48	XG-09X048-A ●	50	XG-13X048-A	40
54	XG-09X054-A ●	46	XG-13X054-A	34
60	XG-09X060-A ●	44	XG-13X060-A	32
76	-	-	XG-13X076-A	24
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	36
22	XG-19X022-A	56	XG-25X022-A	36
28	XG-19X028-A	48	XG-25X028-A	32
35	XG-19X035-A	36	XG-25X035-A	24
42	XG-19X042-A	32	XG-25X042-A	24
48	XG-19X048-A	24	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	16	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 on stock. Delivery on request.

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 on stock. Delivery on request.

Armaflex XG sheets endless



Width 1,0 m

Code	Insulation thickness [mm]	Roll length [m]	m ² /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]	m ² /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

• Item not on stock. Delivery on request.

Armaflex XG tapes self-adhesive



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

