

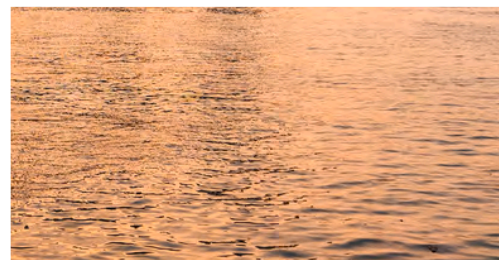


INSTALL IT. TRUST IT.

# AF/ArmaFlex

The first choice for professional installations

- // Increases equipment life cycle
- // High flexibility and ease of installation
- // Reliable condensation control and prevention of corrosion under insulation (CUI)
- // 10-year System Warranty possible



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

INSTALL IT. TRUST IT.

# AF/ArmaFlex



## 10-YEAR SYSTEM WARRANTY

The ArmaFlex System Warranty is a partner scheme in which trained and certified insulation companies receive a warranty of up to ten years instead of the two year warranty period. This concept, which is unique in the market, gives the certified companies a direct competitive advantage when submitting tenders. What's more, specifiers, trade partners and clients benefit from the seal of quality, too. For more information, please visit:

<https://arma.link/systemwarranty>



### // Trusted Since 50 Years

With a combination of internal and externally monitored technical values we offer consistently high-quality products. This is the result of 50 years experience and continual research and further development of the product properties which determine the quality. Since AF/ArmaFlex is distributed throughout Europe, it does not just comply with national standards and controls but we are also thinking ahead, preparing for the future European product and testing standards. The combination of high  $\mu$ -value, low  $\lambda$ -value and the engineered wall thickness of AF/ArmaFlex not only ensures reliable protection against condensation, but also meets the most stringent energy-saving regulations, contributing to an optimal energy efficiency of the installation.



### // Complete System

Armacell offers a complete carefully considered and coordinated system solution for any professional insulation challenge: AF/ArmaFlex standard, self adhesive and endless tubes and sheets, tape and accessories. Armafix AF pipe supports to avoid thermal bridging, ArmaFlex Protect fire barrier as well as AF/ArmaFlex with Arma-Chek flexible covering systems. The wide range of specially developed accessories such as the new generation of adhesives and the ArmaFlex Toolbox for applying ArmaFlex insulation materials make installation even easier.

At [www.armacell.com](http://www.armacell.com) you will find in the Refrigeration & Air-Conditioning section under AF/ArmaFlex readymade **specification texts** to download and use.

**ArmaWin** is the technical calculation program of Armacell. This allows you to determine i.a. the correct insulation thickness to prevent condensation and to minimize energy losses.



**Application trainings:** We train insulation contractor and offer valuable assistance for your daily work. A successful participation in a training, we certify with one in the Industry recognized certificate. All services around our products you will find at [www.armacell.com](http://www.armacell.com)



**// Triple Security**

AF/ArmaFlex is the professional flexible insulation for reliable continuous condensation control. The optimal combination of a very low thermal conductivity and extremely high resistance to water vapour transmission prevents long-term energy losses and water vapour ingress and reduces the risk of corrosion under insulation.



**// AF/ArmaFlex Active Microban® Antimicrobial Protection**

An EPA (Environmental Protection Agency, US) survey indicates that conditioned areas are frequently breeding havens for microbes and contamination. Indoor air can be up to 10 times more polluted than outdoor air.

Microbial pollution is a key element of indoor air pollution. Microbes, which can be found in and on HVAC systems, include stain and odor causing bacteria, mould and mildew. These microbes subsequently emit spores, cells, fragments and volatile organic compounds (VOC) into indoor air, thus possibly contributing to the well-known sick building syndrome. Mould and mildew additionally initiate the biological or chemical degradation of materials. AF/ArmaFlex is the first flexible insulation material equipped with MICROBAN technology. When microbes come in contact with the insulation surface, MICROBAN protection penetrates the cell wall of the microorganism, disabling its ability to function, grow and reproduce. Because the protection is built in during the manufacturing process, it will not wash off or wear away. This gives AF/ArmaFlex products an added level of protection against mould and mildew and is therefore the ideal long-term solution for insulating ventilation or air-conditioning equipment in public buildings such as schools, hospitals, elderly homes, offices and airports, as well as the mechanical systems in the pharmaceutical or food industries.



# AF/ArmaFlex fitting covers

The dust- and fibre-free AF/ArmaFlex is not only very pleasant to work with, it's also time- and cost-efficient. Installation is now even simpler and faster with the new prefabricated AF/ArmaFlex fitting covers. Whereas in the past installers often had to fabricate elbows and T-pieces from ArmaFlex tubes and sheets under time pressure and difficult conditions on the building site, they can now turn to prefabricated products. The fitting covers are not only much faster and easier to install, they also optimise material consumption by minimising waste.



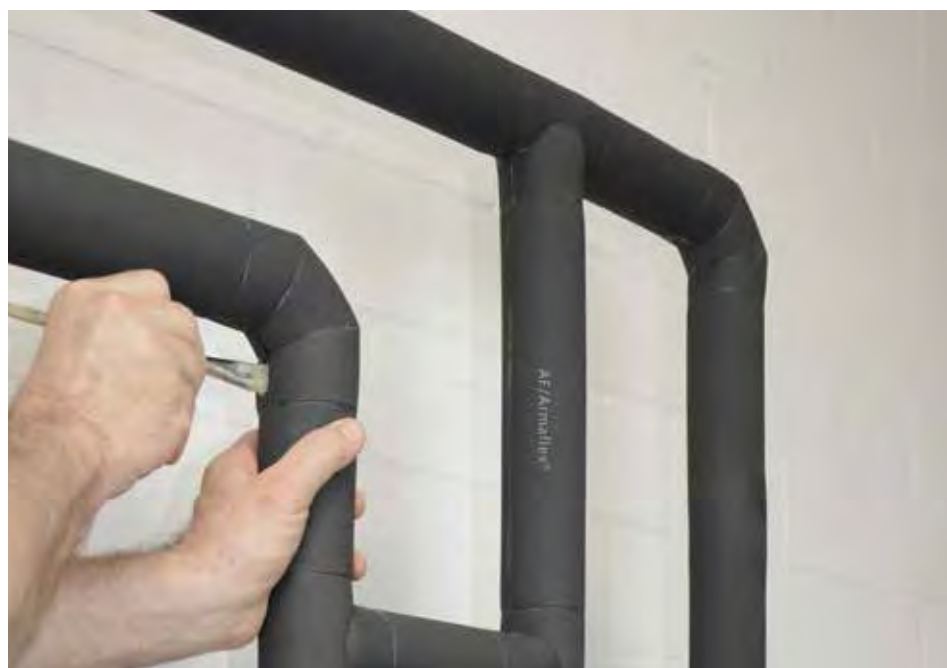
## // The Advantages are Clear:

- Significant time savings (no prefabrication by hand, fewer tack-drying periods)
- Higher performance with the same installation time
- Reduction in the amount of adhesive used on the building site
- Greater reliability (less risk of application errors on the seams)
- Cost savings (billable services)

The fitting covers are perfectly coordinated with both the AF/ArmaFlex and Arma-Chek Silver range. Further time and cost-savings can be achieved with the factory covered Arma-Chek Silver products.

## // Significant Time Savings

As a case study carried out by Armacell shows, previously unused time-saving potential can be tapped by installing AF/ArmaFlex fitting covers. The study is based on a typical tender for low-temperature insulation work. It includes the insulation of a total of 1,241 m of pipework and 1,223 fittings, including 946 elbows and T-pieces. If AF/ArmaFlex fitting covers are used in this project, the assembly time can be reduced by up to 70 % compared to the traditional installation process. In this case that corresponds to a 40-hour working week.



## // Trend Towards Increased Use of Pre-fabricated Components

Today, employees are more in demand than ever in the construction industry and the insulation sector is particularly hard hit by the shortage of skilled workers. This trend will become even more pronounced in the future as the number of apprentices in the skilled trades continues to decrease. Therefore, industrially prefabricated components are becoming more and more attractive. Using ArmaFlex fitting covers allows skilled personnel to concentrate on more complex tasks – without compromising the quality and reliability of the application.



## AF/ArmaFlex in the Hilton Schiphol Hotel

If the hotel industry awarded stars for the insulation concept, the new Hilton Amsterdam Airport Schiphol Hotel would certainly have deserved a fifth star. The impressive building complex relies on the tried-and tested combination of AF/ArmaFlex and Armafix AF and the insulation work was carried out under the ArmaFlex System Warranty.



### // Challenge

When planning the hotel great importance was attached to the sustainability of the building. Energy consumption is 10 % lower than the Energy Performance Coefficient (EPC) legally required in the Netherlands. Consultant engineers Deerns achieved this feat by combining a wide range of energy-saving measures.

### // Solution

All in all, Unica Installatietechniek installed 31 km of pipework in the building complex, around half of which is dedicated to cooling the building. These pipes have feed temperatures of 10 °C and return temperatures of 18 °C. To protect the chilled water pipes against condensation and energy losses, consultant engineers Deerns specified AF/ArmaFlex insulation material. On the pipes and on other components in the plant rooms employees of the insulation contractor Riweltie BV installed tubes and sheets in insulation thicknesses of 16 and 19 mm. The outdoor air intake ducts were insulated with some 4,000 m<sup>2</sup> of AF/ArmaFlex sheet material in an insulation thickness of 25 mm.



### Hans de Klein

#### Technical Commercial Director at Riweltie BV insulation contractors

*„We realized this project with the ArmaFlex System Warranty. When we use AF/ArmaFlex in combination with the Armafix AF pipe support we now receive a project-related warranty of 10 years. A great idea from Armacell.“*

## TECHNICAL DATA - AF/ARMAFLEX

Brief description	Highly flexible, closed-cell insulation material with high water vapour diffusion resistance, low thermal conductivity and built-in Microban antimicrobial protection.
Material type	Flexible elastomeric foam based on synthetic rubber (NBR). Factory-made flexible elastomeric foam (FEF), according to EN 14304.
Additional material information	Self-adhesive coating: pressure-sensitive adhesive coating on modified acrylate basis with mesh structure, covered with polyethylene foil. Traces of silicone may be present on the paper/foil protecting self-adhesive closures.
Product colour range	Black
Applications	Insulation/protection for pipes, air ducts, vessels (incl. elbows, fittings, flanges etc.) of air-conditioning/refrigeration and process equipment to prevent condensation and save energy. Structure-borne noise reduction in service-water and waste-water installations.
Installation	Certified and compatible adhesive for a long-term performing system is ArmaFlex 520. Please refer to the relevant Armacell application manual for advice. For further information please contact our Customer Service Centre.
Declaration of performance	Declaration of Performance in accordance with Article 7(3) of Regulation (EU) No 305/2011 is available at <a href="http://www.armacell.com/DoP">www.armacell.com/DoP</a> .

Property	Value / Assessment		Standard / Test method
<b>Temperature range</b>			
Service temperature	Min. °C <sup>1</sup>	Max. °C <sup>2</sup>	EN 14706, EN 14707, EN 14304
	-50	110	
	Remarks	+85 °C if sheet or tape is glued to the object with its whole surface +85 °C for tapes	
<b>Thermal conductivity</b>			
Declared thermal conductivity	θm	0°C	EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0,033	
	Range	Tubes (AF-1 - AF-4) as well as sheets and tapes (AF-03MM - AF-32MM)	
	Formula	λd = [33 + 0,1 · θm + 0,0008 · θm <sup>2</sup> ]/1000	
Declared thermal conductivity	θm	0°C	EN ISO 13787, EN 12667, EN ISO 8497
	λd ≤ [W/(m·K)]	0,036	
	Range	Tubes (AF-5 - AF-6) and sheets (AF-50MM)	
	Formula	λd = [36 + 0,1 x θm + 0,0008 · θm <sup>2</sup> ]/1000	
<b>Fire Performance and Approvals</b>			
Reaction to fire	Tubes: B(L)-s3, d0 Sheets: B-s3, d0 Tapes: B-s3, d0		EN 13501-1, EN ISO 11925-2, EN 13823
Surface flammability	low-flammable - 2010 FTP-Code (MED 96/98/EC, Module D)		IMO 2010 FTP Code, Part 5 <sup>3</sup>
FM approved	4924 - Pipe and Duct Insulation		UBC26-3
<b>Passive fire protection</b>			
Fire resistance of elements of construction	EI 30 - EI 90		EN 13501-2, EN 1366-3
<b>UL standards</b>			
UL 94 5VA <sup>4</sup>	Pass (tubes ≥ 3.0 mm) Pass (sheets ≥ 4.2 mm)		UL 94, IEC 60695-11-10, UL 746B
UL 94 5VB <sup>4</sup>	Pass (sheets 3 mm < 4.2 mm)		UL 94, IEC 60695-11-10, UL 1191, UL 746B
<b>Fire performance</b>			
Practical fire behaviour	Self-extinguishing, does not drip, does not spread flames		

Property	Value / Assessment	Standard / Test method
<b>Resistance to water vapour</b>		
Water vapour diffusion resistance factor	Sheets (AF-03MM to AF-32MM) and tubes (AF-1 to AF-4): $\mu \geq 10,000$ Sheets (AF-50MM) and tubes (AF-5 to AF-6): $\mu \geq 7,000$	EN 12086, EN 13469
<b>Physical attributes</b>		
Dimensions and tolerances	in accordance with EN 14304, table 1	EN 822, EN 823, EN 13467
<b>Acoustic performance</b>		
Reduction of structure-borne sound transmission	$\leq 28$ dB (A)	EN ISO 3822-1
<b>Weather and UV resistance</b>		
UV resistance <sup>5</sup>	Protection against UV radiation is necessary (see Technical Bulletin no. 142).	
<b>Health and environment</b>		
Antimicrobial behaviour	Built-in Microban active antimicrobial protection: No fungal growth observed	EN ISO 846, VDI 6022
Environmental Product Declaration (EPD)	Type III Environmental Product Declaration (EPD): Declaration number "EPD-ARM-20200219-IBB1-EN", Institut Bauen und Umwelt e.V. (IBU)	ISO 14025, EN 15804+A2
<b>Other technical features</b>		
Shelf life	Self-adhesive tapes, self-adhesive sheets, self-adhesive tubes, strips: 1 year	
Storage	Can be stored in dry, clean rooms at normal relative humidity (50% - 70%) and ambient temperature (0 °C -35 °C).	

<sup>1</sup>For use in temperatures beyond the maximum and minimum service temperature range indicated in the technical data table, please contact our Customer Service Centre.

<sup>2</sup>+85 °C, for products with a self-adhesive layer.

<sup>3</sup>According to IMO 2010 FTP Code annex 2, clause 2.2 a fire technical test for smoke density and toxicity is not necessary.

<sup>4</sup>Only for products without self-adhesive-layer.

<sup>5</sup>If ArmaFlex is used outdoors or in applications under UV radiation, it should be protected with ArmaFinish Paint, or a covering such as ArmaClad Arma-Chek within 3 days of installation.

Tube – standard. Black. Tubes packed in cartons.

AF-1

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
6	AF-1-006	7,0	8,5	7,0	7612207397413	360 m
8	AF-1-008	9,0	10,5	7,0	7612207397642	310 m
10	AF-1-010	11,0	12,5	7,5	7612207250084	300 m
12	AF-1-012	13,0	14,5	7,5	7612207250091	234 m
15	AF-1-015	16,0	17,5	8,0	7612207250107	192 m
18	AF-1-018	19,0	20,5	8,0	7612207397475	140 m
22	AF-1-022	23,0	24,5	8,5	7612207250121	132 m
25	AF-1-025	26,0	27,5	8,5	7612207250138	108 m
28	AF-1-028	29,0	30,5	8,5	7612207250145	100 m
30	AF-1-030	31,0	33,0	9,0	7612207250152	96 m
32	AF-1-032	33,0	35,0	9,0	7612207337396	84 m
35	AF-1-035	36,0	38,0	9,0	7612207250169	76 m
38	AF-1-038	39,0	41,0	9,0	7612207250220	70 m
42	AF-1-042	43,5	45,5	9,0	7612207250237	60 m
45	AF-1-045	46,0	47,5	9,0	7612207250244	56 m
48	AF-1-048	49,5	51,5	9,0	7612207250251	50 m
54	AF-1-054	55,0	57,0	9,0	7612207250268	48 m
57	AF-1-057	58,0	60,0	9,0	7612207250398	40 m
60	AF-1-060	61,5	63,5	9,0	7612207249484	36 m
64	AF-1-064	65,0	67,5	9,5	7612207250275	32 m
70	AF-1-070	71,0	73,5	9,5	7612207250282	32 m
76	AF-1-076	77,0	79,5	9,5	7612207250299	28 m
80	AF-1-080	81,0	84,0	9,5	7612207250305	24 m
89	AF-1-089	90,5	93,0	9,5	7612207250312	22 m
102	AF-1-102	105,0	108,0	9,5	7612207250329	16 m
108	AF-1-108	109,5	113,0	9,5	7612207250336	16 m
110	AF-1-110	112,0	116,0	9,5	7612207337426	16 m
114	AF-1-114	116,0	120,0	9,5	7612207250343	16 m
125	AF-1-125	127,0	131,0	9,5	7612207250350	12 m
140	AF-1-140	142,0	146,0	10,0	7612207249279	12 m
160	AF-1-160	162,0	166,0	10,0	7612207250404	8 m

Other information

Thickness tolerance

AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ±2.5mm  
 AF-6: ±3.0mm

Length tolerance

± 1.5 %

Tube – standard. Black. Tubes packed in cartons.

AF-2

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
6	AF-2-006	7,0	8,5	9,5	7612207252064	288 m



Tube – standard. Black. Tubes packed in cartons.

AF-2

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
8	AF-2-008	9,0	10,5	10,0	7612207252071	240 m
10	AF-2-010	11,0	12,5	11,0	7612207397604	170 m
12	AF-2-012	13,0	14,5	11,0	7612207252095	168 m
15	AF-2-015	16,0	17,5	11,5	7612207397543	130 m
18	AF-2-018	19,0	20,5	11,5	7612207249286	120 m
22	AF-2-022	23,0	24,5	12,0	7612207252118	100 m
25	AF-2-025	26,0	27,5	12,5	7612207252125	88 m
28	AF-2-028	29,0	30,5	12,5	7612207252132	84 m
30	AF-2-030	31,0	33,0	12,5	7612207252149	72 m
32	AF-2-032	33,0	35,0	13,0	7612207337440	64 m
35	AF-2-035	36,0	38,0	13,0	7612207252156	62 m
40	AF-2-040	41,0	42,5	13,5	7612207337457	44 m
42	AF-2-042	43,5	45,5	13,5	7612207252170	48 m
48	AF-2-048	49,5	51,5	13,5	7612207249293	44 m
50	AF-2-050	51,0	52,5	13,5	7612207337464	32 m
54	AF-2-054	55,0	57,0	13,5	7612207252309	36 m
57	AF-2-057	58,0	60,0	14,0	7612207251999	34 m
60	AF-2-060	61,5	63,5	14,0	7612207249491	32 m
64	AF-2-064	65,0	67,5	14,0	7612207251517	30 m
70	AF-2-070	71,0	73,5	14,0	7612207251524	28 m
76	AF-2-076	77,0	79,5	14,0	7612207251531	28 m
80	AF-2-080	81,0	84,0	14,5	7612207251548	24 m
89	AF-2-089	90,5	93,0	14,5	7612207251555	22 m
102	AF-2-102	105,0	108,0	14,5	7612207251562	18 m
108	AF-2-108	109,0	113,0	14,5	7612207251579	18 m
110	AF-2-110	112,0	116,0	15,0	7612207337471	16 m
114	AF-2-114	116,0	120,0	15,0	7612207251586	16 m
125	AF-2-125	127,0	131,0	15,0	7612207251647	12 m
133	AF-2-133	135,0	139,0	15,5	7612207251654	12 m
140	AF-2-140	142,0	146,0	15,5	7612207251661	8 m
160	AF-2-160	162,0	166,0	16,0	7612207249309	8 m

Other information

Thickness tolerance

AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ±2.5mm  
 AF-6: ±3.0mm

Length tolerance

± 1.5 %

Tube – standard. Black. Tubes packed in cartons.

AF-3

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
10	AF-3-010	11,0	12,5	12,5	7612207253528	156 m

Tube – standard. Black. Tubes packed in cartons.

#### AF-3

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
12	AF-3-012	13,0	14,5	13,0	7612207253535	144 m
15	AF-3-015	16,0	17,5	14,0	7612207253542	108 m
18	AF-3-018	19,0	20,5	14,0	7612207253559	96 m
22	AF-3-022	23,0	24,5	14,5	7612207249507	84 m
28	AF-3-028	29,0	30,5	15,5	7612207249514	64 m
35	AF-3-035	36,0	38,0	16,0	7612207397321	46 m
42	AF-3-042	43,5	45,5	16,5	7612207253795	40 m
48	AF-3-048	49,5	51,5	16,5	7612207253825	32 m
54	AF-3-054	55,0	57,0	17,0	7612207253849	28 m
60	AF-3-060	61,5	63,5	17,0	7612207249316	24 m
64	AF-3-064	65,0	67,5	17,0	7612207251678	20 m
70	AF-3-070	71,0	73,5	17,5	7612207251685	18 m
76	AF-3-076	77,0	79,5	17,5	7612207251692	16 m
89	AF-3-089	90,5	93,0	18,0	7612207251715	16 m
108	AF-3-108	109,5	113,0	18,0	7612207251739	12 m
110	AF-3-110	112,0	116,0	18,0	7612207337525	12 m
114	AF-3-114	116,0	120,0	18,5	7612207251746	12 m
125	AF-3-125	127,0	131,0	18,5	7612207251753	12 m
133	AF-3-133	135,0	139,0	18,5	7612207251760	8 m
140	AF-3-140	142,0	146,0	19,0	7612207249323	8 m
160	AF-3-160	162,0	166,0	19,0	7612207249996	6 m

#### Other information

**Thickness tolerance**  
 AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ±2.5mm  
 AF-6: ±3.0mm

**Length tolerance** ± 1.5 %

Tube – standard. Black. Tubes packed in cartons.

#### AF-4

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
6	AF-4-006	7,0	8,5	15,5	7612207417081	120 m
10	AF-4-010	11,0	12,5	15,5	7612207253962	110 m
12	AF-4-012	13,0	14,5	16,0	7612207253979	100 m
15	AF-4-015	16,0	17,5	17,0	7612207397581	88 m
18	AF-4-018	19,0	20,5	17,5	7612207397635	70 m
22	AF-4-022	23,0	24,5	18,0	7612207249521	60 m
25	AF-4-025	26,0	27,5	18,5	7612207254037	56 m
28	AF-4-028	29,0	30,5	19,0	7612207250008	48 m
30	AF-4-030	31,0	33,0	19,0	7612207254051	40 m
32	AF-4-032	33,0	35,0	19,5	7612207337549	40 m
35	AF-4-035	36,0	38,0	19,5	7612207254068	36 m

Tube – standard. Black. Tubes packed in cartons.

## AF-4

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
40	AF-4-040	41,0	42,5	20,5	7612207337556	32 m
42	AF-4-042	43,5	45,5	20,5	7612207254099	32 m
45	AF-4-045	46,0	47,5	20,5	7612207254112	28 m
48	AF-4-048	49,5	51,5	21,0	7612207254129	24 m
50	AF-4-050	51,0	52,5	21,0	7612207337563	24 m
54	AF-4-054	55,0	57,0	21,0	7612207251838	24 m
57	AF-4-057	58,0	60,0	21,5	7612207251845	20 m
60	AF-4-060	61,5	63,5	21,5	7612207249330	20 m
64	AF-4-064	65,0	67,5	21,5	7612207251852	18 m
70	AF-4-070	71,0	73,5	22,0	7612207251869	16 m
76	AF-4-076	77,0	79,5	22,0	7612207251876	16 m
80	AF-4-080	81,0	84,0	22,5	7612207251883	16 m
89	AF-4-089	90,5	93,0	22,5	7612207251890	12 m
102	AF-4-102	105,0	108,0	23,0	7612207251906	10 m
108	AF-4-108	109,5	113,0	23,0	7612207251913	10 m
110	AF-4-110	112,0	116,0	23,0	7612207337570	10 m
114	AF-4-114	116,0	120,0	23,5	7612207251920	10 m
125	AF-4-125	127,0	131,0	23,5	7612207251937	8 m
133	AF-4-133	135,0	139,0	24,0	7612207251944	6 m
140	AF-4-140	142,0	146,0	24,5	7612207249347	6 m
160	AF-4-160	162,0	166,0	25,0	7612207250015	6 m
168	AF-4-168	170,0	174,0	25,0	7612207289701	4 m

## Other information

## Thickness tolerance

AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ±2.5mm  
 AF-6: ±3.0mm

## Length tolerance

± 1.5 %

Tube – standard. Black. Tubes packed in cartons.

## AF-5

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
15	AF-5-015	16,0	17,5	25,0	7612207338553	52 m
18	AF-5-018	19,0	20,5	25,0	7612207252606	42 m
20	AF-5-020	20,0	21,5	25,0	7612207337587	44 m
22	AF-5-022	23,0	24,5	25,0	7612207253016	36 m
25	AF-5-025	26,0	27,5	25,0	7612207338577	40 m
28	AF-5-028	29,0	30,5	25,0	7612207253023	36 m
30	AF-5-030	31,0	33,0	26,0	7612207338584	32 m
32	AF-5-032	33,0	35,0	26,0	7612207337594	24 m
35	AF-5-035	36,0	38,0	27,0	7612207253030	24 m
42	AF-5-042	43,5	45,5	27,0	7612207253047	22 m

Tube – standard. Black. Tubes packed in cartons.

AF-5						
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
48	AF-5-048	49,5	51,5	27,5	7612207253054	16 m
54	AF-5-054	55,0	57,0	28,5	7612207253061	16 m
60	AF-5-060	61,5	63,5	29,0	7612207253078	12 m
64	AF-5-064	65,0	67,5	29,0	7612207253085	12 m
70	AF-5-070	71,0	73,5	29,5	7612207253092	12 m
76	AF-5-076	77,0	79,5	30,0	7612207253108	10 m
89	AF-5-089	90,5	93,0	30,5	7612207253115	8 m
108	AF-5-108	109,5	113,0	31,0	7612207253122	6 m
114	AF-5-114	116,0	120,0	31,5	7612207253139	6 m
125	AF-5-125	127,0	131,0	31,5	7612207338638	6 m
140	AF-5-140	142,0	146,0	32,0	7612207253146	6 m
168	AF-5-168	170,0	174,0	32,0	7612207309652	4 m

Other information

Thickness tolerance  
 AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ±2.5mm  
 AF-6: ±3.0mm

Length tolerance ± 1.5 %

Tube – standard. Black. Tubes packed in cartons.

AF-6							45 mm		
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]	Pipe Ø [mm]	Item	EAN
10	AF-6-010	11,0	12,5	32,0	7612207255959	40 m		AF-45X140	7612207500318
12	AF-6-012	13,0	14,5	32,0	7612207253184	36 m	-	-	-
15	AF-6-015	16,0	17,5	32,0	7612207253191	32 m	-	-	-
18	AF-6-018	19,0	20,5	32,0	7612207253207	32 m	-	-	-
22	AF-6-022	23,0	24,5	33,5	7612207253214	28 m	-	-	-
28	AF-6-028	29,0	30,5	35,0	7612207253221	24 m	-	-	-
35	AF-6-035	36,0	38,0	35,0	7612207253238	18 m	-	-	-
42	AF-6-042	43,5	45,5	36,5	7612207253245	16 m	-	-	-
48	AF-6-048	49,5	51,5	37,5	7612207253252	12 m	-	-	-
54	AF-6-054	55,0	57,0	38,0	7612207253269	12 m	-	-	-
57	AF-6-057	58,0	60,0	38,5	7612207253276	12 m	-	-	-
60	AF-6-060	61,5	63,5	39,0	7612207253283	10 m	-	-	-
64	AF-6-064	65,0	67,5	39,5	7612207253290	10 m	-	-	-
70	AF-6-070	71,0	73,5	40,0	7612207253306	8 m	-	-	-
76	AF-6-076	77,0	79,5	40,5	7612207253313	8 m	-	-	-
89	AF-6-089	90,5	93,0	41,5	7612207253337	6 m	-	-	-
102	AF-6-102	105,0	108,0	42,5	7612207253344	6 m	-	-	-
108	AF-6-108	109,5	113,0	42,5	7612207253351	4 m	-	-	-
114	AF-6-114	116,0	120,0	43,0	7612207253368	4 m	-	-	-

Tube – standard. Black. Tubes packed in cartons.

AF-6							45 mm		
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]	Pipe Ø [mm]	Item	EAN
125	AF-6-125	127,0	131,0	44,0	7612207379754	4 m	-	-	-
133	AF-6-133	134,0	139,0	44,0	7612207253375	4 m	-	-	-
140	AF-6-140	142,0	146,0	44,5	7612207253382	4 m	-	-	-
160	AF-6-160	162,0	166,0	45,0	7612207253399	4 m	-	-	-
168	AF-6-168	170,0	174,0	45,0	7612207281095	4 m	-	-	-

#### Other information

**Thickness tolerance**  
 AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ± 2.5 mm  
 AF-6: ± 3.0 mm

**Length tolerance** ± 1.5 %

Tube – self-seal. Black

AF-1						
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
12	AF-1-012-A	12,0	14,5	7,5	7612207284775	234 m
15	AF-1-015-A	16,0	17,5	8,0	7612207250190	192 m
18	AF-1-018-A	19,0	20,5	8,0	7612207397598	140 m
22	AF-1-022-A	23,0	24,5	8,5	7612207250213	132 m
28	AF-1-028-A	29,0	30,5	8,5	7612207250497	100 m
30	AF-1-030-A	31,0	33,0	9,0	7612207328080	96 m
35	AF-1-035-A	36,0	38,0	9,0	7612207250503	76 m
42	AF-1-042-A	43,5	45,5	9,0	7612207250510	60 m
48	AF-1-048-A	49,5	51,5	9,0	7612207250527	50 m
54	AF-1-054-A	55,0	57,0	9,0	7612207250534	48 m
60	AF-1-060-A	61,5	63,5	9,0	7612207250541	36 m
76	AF-1-076-A	77,0	79,5	9,5	7612207250558	28 m
89	AF-1-089-A	90,5	93,5	9,5	7612207250565	22 m

#### Other information

**Thickness tolerance**  
 AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm

**Length tolerance** ± 1.5 %

**Remarks** Most items use tangential cut and a small subset use radial cut surface. Contact us for more details.

Tube – self-seal. Black

AF-2						
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
12	AF-2-012-A	12,0	14,5	11,0	7612207276794	168 m
15	AF-2-015-A	16,0	17,5	11,5	7612207397550	130 m
18	AF-2-018-A	19,0	20,5	11,5	7612207252248	120 m
22	AF-2-022-A	23,0	24,5	12,0	7612207252255	100 m

## Tube – self-seal. Black

## AF-2

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
28	AF-2-028-A	29,0	30,5	12,5	7612207252262	84 m
30	AF-2-030-A	31,0	33,0	12,5	7612207276527	72 m
35	AF-2-035-A	36,0	38,0	13,0	7612207252279	62 m
42	AF-2-042-A	43,5	45,5	13,5	7612207252286	48 m
48	AF-2-048-A	49,5	51,5	13,5	7612207252293	44 m
54	AF-2-054-A	55,0	57,0	13,5	7612207252316	36 m
60	AF-2-060-A	61,5	63,5	14,0	7612207252323	32 m
64	AF-2-064-A	65,0	67,5	14,0	7612207296747	30 m
70	AF-2-070-A	71,0	73,5	14,0	7612207278934	28 m
76	AF-2-076-A	77,0	79,5	14,0	7612207252330	28 m
89	AF-2-089-A	90,5	93,5	14,5	7612207252347	22 m

## Other information

Thickness tolerance	AF-1, AF-2: ±1.0 mm AF-3, AF-4: ±1.5 mm
Length tolerance	± 1.5 %
Remarks	Most items use tangential cut and a small subset use radial cut surface. Contact us for more details.

## Tube – self-seal. Black

## AF-3

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
15	AF-3-015-A	16,0	17,5	13,5	7612207253740	108 m
18	AF-3-018-A	19,0	20,5	14,0	7612207253757	96 m
22	AF-3-022-A	23,0	24,5	14,5	7612207253764	84 m
28	AF-3-028-A	29,0	30,5	15,5	7612207253771	64 m
35	AF-3-035-A	36,0	38,0	16,0	7612207397512	46 m
42	AF-3-042-A	43,5	45,5	16,5	7612207253801	40 m
48	AF-3-048-A	49,5	51,5	16,5	7612207253832	32 m
54	AF-3-054-A	55,0	57,0	17,0	7612207253856	28 m
60	AF-3-060-A	61,5	63,5	17,5	7612207253863	24 m
76	AF-3-076-A	77,0	79,5	17,5	7612207253870	16 m
89	AF-3-089-A	90,5	93,5	17,5	7612207253887	16 m

## Other information

Thickness tolerance	AF-1, AF-2: ±1.0 mm AF-3, AF-4: ±1.5 mm
Length tolerance	± 1.5 %
Remarks	Most items use tangential cut and a small subset use radial cut surface. Contact us for more details.

## Tube – self-seal. Black

## AF-4

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
15	AF-4-015-A	16,0	17,5	17,0	7612207397611	88 m

## Tube – self-seal. Black

## AF-4

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
18	AF-4-018-A	19,0	20,5	17,5	7612207397659	70 m
22	AF-4-022-A	23,0	24,5	18,0	7612207254020	60 m
28	AF-4-028-A	29,0	30,5	19,0	7612207254044	48 m
35	AF-4-035-A	36,0	38,0	19,5	7612207254075	36 m
42	AF-4-042-A	43,5	45,5	20,5	7612207254105	32 m
48	AF-4-048-A	49,5	51,5	21,0	7612207254136	24 m
54	AF-4-054-A	55,0	57,0	21,0	7612207254143	24 m
60	AF-4-060-A	61,5	63,5	21,5	7612207254150	20 m
64	AF-4-064-A	65,0	67,5	21,5	7612207339284	18 m
70	AF-4-070-A	70,0	73,5	22,0	7612207279115	16 m
76	AF-4-076-A	77,0	79,5	22,0	7612207254167	16 m
89	AF-4-089-A	90,5	93,5	22,5	7612207254174	12 m

## Other information

Thickness tolerance AF-1, AF-2: ±1.0 mm  
AF-3, AF-4: ±1.5 mm

Length tolerance ± 1.5 %

Remarks Most items use tangential cut and a small subset use radial cut surface. Contact us for more details.

## Coil. Black

## AF-1

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
6	AF-1-006/E	7,0	8,5	7,0	7612207250411	90 m
8	AF-1-008/E	9,0	10,5	7,0	7612207250428	80 m
10	AF-1-010/E	11,0	12,5	7,5	7612207250435	60 m
12	AF-1-012/E	13,0	14,5	7,5	7612207250442	50 m
15	AF-1-015/E	16,0	17,5	8,0	7612207250459	40 m
18	AF-1-018/E	19,0	20,5	8,0	7612207250466	35 m
22	AF-1-022/E	23,0	24,5	8,5	7612207250473	30 m
28	AF-1-028/E	29,0	30,5	8,5	7612207250480	28 m

## Other information

Thickness tolerance ≤6mm: ±1.0mm  
7 - 19mm: ±1,5mm  
> 19mm: ±2.0mm

Length tolerance ± 1.5%

## Coil. Black

## AF-2

Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
6	AF-2-006/E	7,0	8,5	9,5	7612207252200	60 m
8	AF-2-008/E	9,0	10,5	10,0	7612207252217	55 m
10	AF-2-010/E	11,0	12,5	11,0	7612207252224	35 m

Coil. Black

AF-2						
Pipe Ø [mm]	Item	Inner diameter (minimum) [mm]	Inner diameter (maximum) [mm]	Insulation thickness [mm]	EAN	Content [metric]
12	AF-2-012/E	13,0	14,5	11,0	7612207252354	32 m
15	AF-2-015/E	16,0	17,5	11,5	7612207252361	32 m
18	AF-2-018/E	19,0	20,5	11,5	7612207252378	30 m
22	AF-2-022/E	23,0	24,5	12,0	7612207252385	26 m
28	AF-2-028/E	29,0	30,5	12,5	7612207252392	20 m

Other information

Thickness tolerance	≤6mm: ±1.0mm 7 - 19mm: ±1,5mm > 19mm: ±2.0mm
Length tolerance	± 1.5%

Item	EAN
AF-D99-S7/ZS	7612207264975
AF-R99/S202/ZS	7612207323665
AF-R99/S203/ZS	7612207323672
AF-R99/S205/ZS	7612207328028
AF-T99/S05/ZS	7612207302226

Other information

Thickness tolerance	6mm: ±1.0mm 7 - 19mm: ±1.5mm >19 mm: ±2.0mm
Length tolerance	±1.5%
Remarks	One 1m <sup>2</sup> sheet can be replaced by two 0.5 m <sup>2</sup> sheets.

Sheet - standard. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [metric]
AF-10MM	10	500	2	7612207250930	13 m <sup>2</sup>
AF-13MM	13	500	2	7612207250947	9 m <sup>2</sup>
AF-16MM	16	500	2	7612207250954	8 m <sup>2</sup>
AF-19MM	19	500	2	7612207250961	7 m <sup>2</sup>
AF-25MM	25	500	2	7612207250978	5 m <sup>2</sup>
AF-32MM	32	500	2	7612207250985	4 m <sup>2</sup>
AF-50MM	50	500	2	7612207251005	3 m <sup>2</sup>

Other information

Thickness tolerance	7 -19 mm: ±1.5 mm >19 mm: ±2.0 mm
Length tolerance	± 1.5 %
Remarks	One 1m <sup>2</sup> sheet can be replaced by two pieces of 0.5 m <sup>2</sup> sheet.

Sheet - self-adhesive. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [metric]
AF-10MM/A	10	500	2	7612207251258	13 m <sup>2</sup>
AF-13MM/A	13	500	2	7612207251265	9 m <sup>2</sup>



## Sheet – self-adhesive. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [metric]
AF-19MM/A	19	500	2	7612207251296	7 m <sup>2</sup>
AF-25MM/A	25	500	2	7612207251319	5 m <sup>2</sup>
AF-32MM/A	32	500	2	7612207271140	4 m <sup>2</sup>
AF-50MM/A	50	500	2	7612207251456	3 m <sup>2</sup>
<b>Other information</b>					
Thickness tolerance	7 - 19 mm: ±1.5 mm >19 mm: ±2.0 mm				
Length tolerance	± 1.5 %				
Remarks	One 1m <sup>2</sup> sheet can be replaced by two pieces of 0.5 m <sup>2</sup> sheet.				

## Roll - standard. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [metric]
AF-03MM/E	3	1.000	30	7612207279603	30 m <sup>2</sup>
AF-06MM/E	6	1.000	15	7612207279627	15 m <sup>2</sup>
AF-10MM/E	10	1.000	10	7612207250831	10 m <sup>2</sup>
AF-13MM/E	13	1.000	8	7612207250848	8 m <sup>2</sup>
AF-16MM/E	16	1.000	7	7612207250855	7 m <sup>2</sup>
AF-19MM/E	19	1.000	6	7612207250862	6 m <sup>2</sup>
AF-25MM/E	25	1.000	4	7612207250879	4 m <sup>2</sup>
AF-32MM/E	32	1.000	3	7612207250886	3 m <sup>2</sup>
AF-50MM/E	50	1.000	5	7612207251012	5 m <sup>2</sup>
<b>Other information</b>					
Thickness tolerance	3mm: ±1.5mm 6mm: ±1.0mm 7 - 19mm: ±1.5mm >19mm: ±2.0mm				
Length tolerance	±1.5%				
Remarks	One 1m <sup>2</sup> sheet can be replaced by two 0.5 m <sup>2</sup> sheets.				

## Roll - standard self-adhesive. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [metric]
AF-03MM/EA	3	1.000	30	7612207279610	30 m <sup>2</sup>
AF-06MM/EA	6	1.000	15	7612207279634	15 m <sup>2</sup>
AF-10MM/EA	10	1.000	10	7612207251050	10 m <sup>2</sup>
AF-13MM/EA	13	1.000	8	7612207251067	8 m <sup>2</sup>
AF-16MM/EA	16	1.000	7	7612207251289	7 m <sup>2</sup>
AF-19MM/EA	19	1.000	6	7612207251302	6 m <sup>2</sup>
AF-25MM/EA	25	1.000	4	7612207251326	4 m <sup>2</sup>
AF-32MM/EA	32	1.000	3	7612207271133	3 m <sup>2</sup>
AF-50MM/EA	50	1.000	5	7612207319880	5 m <sup>2</sup>
<b>Other information</b>					
Thickness tolerance	3mm: ±1.5mm 6mm: ±1.0mm 7 - 19mm: ±1.5mm >19mm: ±2.0mm				
Length tolerance	±1.5%				

Roll - standard self-adhesive. Black

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [metric]
Remarks		One 1m <sup>2</sup> sheet can be replaced by two 0.5 m <sup>2</sup> sheets.			

Bend – 90°, application angle W (welded). Black. Prefabricated elbow covering with insulation

AF-2						AF-4					
Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]	Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]
15	AF-2-015-C90	3 segments	11,50	7612207415360	3 piece	15	AF-4-015-C90	3 segments	17	7612207415612	3 piece
18	AF-2-018-C90	3 segments	11,50	7612207415650	3 piece	18	AF-4-018-C90	3 segments	17,5	7612207415544	3 piece
22	AF-2-022-C90	3 segments	12,00	7612207415667	3 piece	22	AF-4-022-C90	3 segments	18,00	7612207415551	3 piece
28	AF-2-028-C90	3 segments	12,50	7612207415674	3 piece	28	AF-4-028-C90	3 segments	19,00	7612207415469	3 piece
35	AF-2-035-C90	3 segments	13,00	7612207415629	3 piece	35	AF-4-035-C90	3 segments	19,50	7612207415476	3 piece
42	AF-2-042-C90	3 segments	13,50	7612207415636	3 piece	42	AF-4-042-C90	4 segments	20,5	7612207414257	3 piece
48	AF-2-048-C90	3 segments	13,50	7612207415643	3 piece	48	AF-4-048-C90	4 segments	21,00	7612207414226	3 piece
54	AF-2-054-C90	3 segments	13,50	7612207415568	3 piece	54	AF-4-054-C90	4 segments	21,00	7612207415490	3 piece
60	AF-2-060-C90	3 segments	14,00	7612207415575	3 piece	60	AF-4-060-C90	4 segments	21,50	7612207414219	3 piece
64	AF-2-064-C90	4 segments	14,00	7612207415582	3 piece	64	AF-4-064-C90	4 segments	21,50	7612207415483	3 piece
76	AF-2-076-C90	4 segments	14,00	7612207415599	3 piece	76	AF-4-076-C90	4 segments	22,00	7612207415384	3 piece
89	AF-2-089-C90	4 segments	14,50	7612207415605	3 piece	89	AF-4-089-C90	4 segments	22,50	7612207415377	3 piece
114	AF-2-114-C90	4 segments	15	7612207405217	3 piece	114	AF-4-114-C90	4 segments	23,50	7612207451528	3 piece
-	-	-	-	-	-	140	AF-4-140-C90	4 segments	24,50	7612207451535	3 piece
-	-	-	-	-	-	168	AF-4-168-C90	4 segments	25,00	7612207451504	3 piece

Other information

Thickness tolerance	AF-1, AF-2: ± 1.0 mm AF-3, AF-4: ± 1.5 mm AF-5: ± 2.5 mm AF-6: ± 3.0 mm
Remarks	Other items can be produced upon request

Bend – 90°, application angle W (welded). Black. Prefabricated elbow covering with insulation

AF-5						AF-6					
Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]	Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]
18	AF-5-018-C90	3 segments	25,00	7612207415391	3 piece	18	AF-6-018-C90	3 segments	32	7612207495409	3 piece
22	AF-5-022-C90	3 segments	25,00	7612207409772	3 piece	22	AF-6-022-C90	3 segments	33,50	7612207418910	3 piece
28	AF-5-028-C90	4 segments	25,00	7612207415407	3 piece	28	AF-6-028-C90	4 segments	35,00	7612207418927	3 piece

## Bend – 90°, application angle W (welded). Black. Prefabricated elbow covering with insulation

AF-5						AF-6					
Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]	Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]
35	AF-5-035-C90	4 segments	27,00	7612207415414	3 piece	35	AF-6-035-C90	4 segments	35,00	7612207468465	3 piece
42	AF-5-042-C90	4 segments	27,00	7612207415421	3 piece	42	AF-6-042-C90	4 segments	36,50	7612207460407	3 piece
48	AF-5-048-C90	4 segments	27,50	7612207415438	3 piece	48	AF-6-048-C90	4 segments	37,50	7612207460278	3 piece
54	AF-5-054-C90	4 segments	28,50	7612207415445	3 piece	54	AF-6-054-C90	4 segments	38,00	7612207407280	3 piece
60	AF-5-060-C90	4 segments	29	7612207415452	3 piece	60	AF-6-060-C90	4 segments	39	7612207508017	3 piece
64	AF-5-064-C90	4 segments	29,00	7612207415506	3 piece	64	AF-6-064-C90	4 segments	39,50	7612207466508	3 piece
76	AF-5-076-C90	4 segments	30,00	7612207415513	3 piece	76	AF-6-076-C90	4 segments	40,50	7612207407266	3 piece
89	AF-5-089-C90	4 segments	30,50	7612207415520	3 piece	89	AF-6-089-C90	4 segments	41,50	7612207466447	3 piece
114	AF-5-114-C90	4 segments	31,5	7612207418712	3 piece	102	AF-6-102-C90	4 segments	42,5	7612207407228	3 piece
-	-	-	-	-	-	114	AF-6-114-C90	4 segments	43	7612207407273	3 piece
-	-	-	-	-	-	168	AF-6-168-C90	4 segments	45	7612207407211	3 piece

## Other information

## Thickness tolerance

AF-1, AF-2: ± 1.0 mm  
 AF-3, AF-4: ± 1.5 mm  
 AF-5: ± 2.5 mm  
 AF-6: ± 3.0 mm

## Remarks

Other items can be produced upon request

## Prefabricated part – t-piece. Black

AF-2						AF-4					
Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]	Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]
15	AF-2-015-T90	2 segments	11,5	7612207416022	3 piece	15	AF-4-015-T90	2 segments	17,00	7612207415940	3 piece
18	AF-2-018-T90	2 segments	11,5	7612207416039	3 piece	18	AF-4-018-T90	2 segments	17,50	7612207415957	3 piece
22	AF-2-022-T90	2 segments	12	7612207416015	3 piece	22	AF-4-022-T90	2 segments	18,00	7612207415964	3 piece
28	AF-2-028-T90	2 segments	12,5	7612207415995	3 piece	28	AF-4-028-T90	2 segments	19,00	7612207415971	3 piece
35	AF-2-035-T90	2 segments	13	7612207416008	3 piece	35	AF-4-035-T90	2 segments	19,50	7612207415698	3 piece
42	AF-2-042-T90	2 segments	13,5	7612207415889	3 piece	42	AF-4-042-T90	2 segments	20,00	7612207415704	3 piece
48	AF-2-048-T90	2 segments	13,5	7612207415872	3 piece	48	AF-4-048-T90	2 segments	21,00	7612207415728	3 piece
54	AF-2-054-T90	2 segments	13,5	7612207415896	3 piece	54	AF-4-054-T90	2 segments	21,00	7612207415735	3 piece
60	AF-2-060-T90	2 segments	14	7612207415902	3 piece	60	AF-4-060-T90	2 segments	21,50	7612207415742	3 piece
64	AF-2-064-T90	2 segments	14	7612207415919	3 piece	64	AF-4-064-T90	2 segments	21,50	7612207415759	3 piece

## Prefabricated part – t-piece. Black

AF-2						AF-4					
Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]	Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]
76	AF-2-076-T90	2 segments	14	7612207415926	3 piece	76	AF-4-076-T90	2 segments	22,00	7612207415766	3 piece
89	AF-2-089-T90	2 segments	14,5	7612207415933	3 piece	89	AF-4-089-T90	2 segments	22,50	7612207415773	3 piece

## Prefabricated part – t-piece. Black

AF-5						AF-6					
Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]	Pipe Ø [mm]	Item	Description	Thickness [mm]	EAN	Content [quantity]
18	AF-5-018-T90	2 segments	25	7612207415780	3 piece	18	AF-6-018-T90	2 segments	32	7612207495393	3 piece
22	AF-5-022-T90	2 segments	25	7612207409796	3 piece	22	AF-6-022-T90	2 segments	33,5	7612207418941	3 piece
28	AF-5-028-T90	2 segments	25,00	7612207415797	3 piece	28	AF-6-028-T90	2 segments	35	7612207418934	3 piece
35	AF-5-035-T90	2 segments	27,00	7612207415803	3 piece	35	AF-6-035-T90	2 segments	35,00	7612207468472	3 piece
42	AF-5-042-T90	2 segments	27,00	7612207415810	3 piece	54	AF-6-054-T90	2 segments	38	7612207468441	3 piece
48	AF-5-048-T90	2 segments	27,50	7612207415827	3 piece	64	AF-6-064-T90	2 segments	39,50	7612207466454	3 piece
54	AF-5-054-T90	2 segments	28,50	7612207415834	3 piece	89	AF-6-089-T90	2 segments	41,50	7612207466515	3 piece
60	AF-5-060-T90	2 segments	29,00	7612207415841	3 piece	-	-	-	-	-	-
64	AF-5-064-T90	2 segments	29	7612207415858	3 piece	-	-	-	-	-	-
76	AF-5-076-T90	2 segments	30	7612207415865	3 piece	-	-	-	-	-	-
89	AF-5-089-T90	2 segments	30,50	7612207415988	3 piece	-	-	-	-	-	-

## Tape – insulation. Black

Item	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
AF-TAPE-MC	3	50	15	12 piece
AF-TAPE-MC/6	3	50	15	6 piece

## Strips - self-adhesive. Black

Item	Thickness [mm]	Width [mm]	Length [m]	Content [quantity]
AF-10MM/E-S50	10	50,00	10	20 roll
AF-10MM/E-S100	10	100	10	10 roll
AF-13MM/E-S50	13	50	8	20 roll
AF-13MM/E-S100	13	100,00	8	10 roll
AF-19MM/E-S50	19	50	6	20 roll
AF-19MM/E-S75	19	75	6	13 roll
AF-19MM/E-S100	19	100	6	10 roll

## ArmaFix AF . Pipe support – combi pack. Pipe support and suitable clamp designed for use with AF/ArmaFlex.

AF-2 (insulation thickness: 9.5mm - 16.0mm)						AF-4 (AF-3)* (insulation thickness 15.5 mm - 22.5 mm)					
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	EAN	Content [quantity]	Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	EAN	Content [quantity]
10	12	2,00	FX-2-10/12K	7612207277241	32 piece	10	12	2,00	FX-4(3)-10/12K	7612207277371	26 piece
15	18	2,00	FX-2-15/18K	7612207277258	24 piece	15	18	2,00	FX-4(3)-15/18K	7612207277388	24 piece
22	25	2,75	FX-2-22/25K	7612207277265	24 piece	22	25	2,75	FX-4(3)-22/25K	7612207277395	12 piece
28	30	3,00	FX-2-28/30K	7612207277272	16 piece	28	30	3,00	FX-4(3)-28/30K	7612207277401	12 piece
35	38	3,50	FX-2-35/38K	7612207277289	12 piece	35	38	3,50	FX-4(3)-35/38K	7612207277418	12 piece
42	45	3,75	FX-2-42/45K	7612207277296	12 piece	42	45	3,75	FX-4(3)-42/45K	7612207277425	12 piece
48		4,25	FX-2-48K	7612207277302	12 piece	48		4,25	FX-4(3)-48K	7612207277432	12 piece
54	57	4,25	FX-2-54/57K	7612207277319	12 piece	54	57	4,25	FX-4(3)-54/57K	7612207277449	16 piece
60	64	4,75	FX-2-60/64K	7612207277326	10 piece	60	64	4,75	FX-4(3)-60/64K	7612207277456	12 piece
70		4,75	FX-2-70K	7612207277333	16 piece	70		4,75	FX-4(3)-70K	7612207277463	12 piece
76	80	5,50	FX-2-76/80K	7612207277340	12 piece	76	80	5,50	FX-4(3)-76/80K	7612207277470	18 piece
89		6,00	FX-2-89K	7612207277357	8 piece	89		6,00	FX-4(3)-89K	7612207277493	14 piece

## Other information

## Regulation

Maximum permissible distance according to DIN 1988.

## Remarks

Pipe supports for plastic and stainless-steel pipes available on request.  
 \*Suitable for application with tubes of insulation thickness AF-3 and AF-4.

## ArmaFix AF . Pipe support – combi pack. Pipe support and suitable clamp designed for use with AF/ArmaFlex.

## AF-6 (insulation thickness: 32.0mm - 45.0mm)

Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	EAN	Content [quantity]
15	18	2,00	FX-6-15/18K	7612207277487	20 piece
22	25	2,75	FX-6-22/25K	7612207277494	18 piece
28	30	3,00	FX-6-28/30K	7612207277500	12 piece
35	38	3,50	FX-6-35/38K	7612207277517	12 piece
42	45	3,75	FX-6-42/45K	7612207277524	12 piece
48		4,25	FX-6-48K	7612207277531	12 piece
54	57	4,25	FX-6-54/57K	7612207277548	8 piece
60	64	4,75	FX-6-60/64K	7612207277555	10 piece
70		4,75	FX-6-70K	7612207277562	9 piece
76	80	5,50	FX-6-76/80K	7612207277579	6 piece
89		6,00	FX-6-89K	7612207277586	4 piece

## Other information

## Regulation

Maximum permissible distance according to DIN 1988.

## Remarks

Pipe supports for plastic and stainless-steel pipes available on request.  
 \*Suitable for application with tubes of insulation thickness AF-3 and AF-4.

## ArmaFix AF . Pipe support – donut type

AF-2 (insulation thickness: 9.5mm - 16.0mm)								Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Outer diameter range [mm]	Length [mm]	EAN	Content [quantity]	Item	Content [quantity]
10	12	2,00	FX-2-10/12	34 - 36	45	7612207265415	32 piece	-	-
15	18	2,00	FX-2-15/18	40 - 43	45	7612207265422	32 piece	PCX 033/037	25 piece
22	25	2,75	FX-2-22/25	47 - 50	45	7612207265439	32 piece	PCX 042/046	25 piece
28	30	3,00	FX-2-28/30	53 - 56	45	7612207265446	32 piece	PCX 047/052	25 piece
35	38	3,50	FX-2-35/38	61 - 65	50	7612207265453	28 piece	PCX 054/058	25 piece
42	45	3,75	FX-2-42/45	69 - 72	50	7612207265460	28 piece	PCX 063/068	25 piece
48		4,25	FX-2-48	76	55	7612207265477	28 piece	PCX 068/073	10 piece
54	57	4,25	FX-2-54/57	82 - 85	55	7612207265484	28 piece	PCX 072/080	10 piece
60	64	4,75	FX-2-60/64	89 - 92	65	7612207265491	24 piece	PCX 082/085	10 piece
70		4,75	FX-2-70	98	65	7612207265507	24 piece	PCX 092/099	10 piece
76	80	5,50	FX-2-76/80	105 - 109	75	7612207265514	20 piece	PCX 099/103	10 piece
89		6,00	FX-2-89	118	95	7612207265521	16 piece	PCX 112/118	10 piece
102	108	6,00	FX-2-102/108	134 - 141	95	7612207265538	16 piece	PCX 133/137	10 piece
110	114	6,00	FX-2-110/114	140 - 144	115	7612207265545	12 piece	PCX 137/142	10 piece
125		6,00	FX-2-125	158	115	7612207265552	12 piece	PCX 145/152	10 piece
133	140	6,00	FX-2-133/140	165 - 172	115	7612207265569	12 piece	PCX 159/164	10 piece
160		6,00	FX-2-160	193	115	7612207265576	9 piece	PCX 190	10 piece
165	168	6,00	FX-2-165/168	198 - 201	125	7612207265583	9 piece	PCX 199	10 piece

## Other information

## Regulation

Maximum permissible distance according to DIN 1988.

## Remarks

Pipe supports for plastic and stainless-steel pipes available on request.  
Outer diameter is the same as installation diameter.  
\*Suitable for application with tubes of insulation thickness AF-3 and AF-4.

## ArmaFix AF . Pipe support – donut type

AF-4 (AF-3)* (insulation thickness 15.5 mm - 22.5 mm)								Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Outer diameter range [mm]	Length [mm]	EAN	Content [quantity]	Item	Content [quantity]
10	12	2,00	FX-4(3)-10/12	46 - 48	55	7612207265590	28 piece	PCX 042/046	25 piece
15	18	2,00	FX-4(3)-15/18	52 - 55	55	7612207265606	28 piece	PCX 042/046	25 piece
22	25	2,75	FX-4(3)-22/25	60 - 64	55	7612207265613	28 piece	PCX 054/058	25 piece
28	30	3,00	FX-4(3)-28/30	66 - 70	55	7612207265620	28 piece	PCX 063/068	25 piece
35	38	3,50	FX-4(3)-35/38	74 - 79	65	7612207265637	24 piece	PCX 068/073	10 piece
42	45	3,75	FX-4(3)-42/45	85 - 88	65	7612207265644	24 piece	PCX 072/080	10 piece
48		4,25	FX-4(3)-48	91	65	7612207265651	24 piece	PCX 082/085	10 piece
54	57	4,25	FX-4(3)-54/57	98 - 101	65	7612207265668	24 piece	PCX 088/092	10 piece
60	64	4,75	FX-4(3)-60/64	105 - 109	75	7612207265675	20 piece	PCX 099/103	10 piece
70		4,75	FX-4(3)-70	116	75	7612207265682	20 piece	PCX 108/112	10 piece
76	80	5,50	FX-4(3)-76/80	122 - 127	85	7612207265699	16 piece	PCX 112/118	10 piece
89		6,00	FX-4(3)-89	136	100	7612207265705	12 piece	PCX 133/137	10 piece
102	108	6,00	FX-4(3)-102/108	149 - 156	100	7612207265712	12 piece	PCX 137/142	10 piece

## ArmaFix AF . Pipe support – donut type

AF-4 (AF-3)* (insulation thickness 15.5 mm - 22.5 mm)								Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Outer diameter range [mm]	Length [mm]	EAN	Content [quantity]	Item	Content [quantity]
110	114	6,00	FX-4(3)-110/114	158 - 162	100	7612207265729	12 piece	PCX 145/152	10 piece
125		6,00	FX-4(3)-125	173	115	7612207265736	12 piece	PCX 168/173	10 piece
133	140	6,00	FX-4(3)-133/140	183 - 189	115	7612207265743	12 piece	PCX 190	10 piece
160		6,00	FX-4(3)-160	210	115	7612207265750	6 piece	PCX 206	10 piece
165	168	6,00	FX-4(3)-165/168	216 - 219	125	7612207265767	6 piece	PCX 222	10 piece
180		6,00	FX-4(3)-180	231	150	7612207279849	3 piece	-	-
204		6,00	FX-4(3)-204	255	170	7612207265774	4 piece	-	-
216	219	6,00	FX-4(3)-216/219	267 - 270	170	7612207265781	4 piece	-	-
225		6,00	FX-4(3)-225	256	170	7612207339895	4 piece	-	-
254		6,00	FX-4(3)-254	305	170	7612207265798	3 piece	-	-
267	273	6,00	FX-4(3)-267/273	318 - 324	170	7612207265804	3 piece	-	-
280		6,00	FX-4(3)-280	331	170	7612207309904	4 piece	-	-
306		6,00	FX-4(3)-306	357	215	7612207265811	1 piece	-	-
324		4,50	FX-4(3)-324	375	215	7612207265828	1 piece	-	-
356		4,20	FX-4(3)-356	407	215	7612207265835	6 piece	-	-
406		4,20	FX-4(3)-406	457	215	7612207265842	6 piece	-	-
457		3,70	FX-4(3)-457	508	215	7612207265859	4 piece	-	-
508		3,40	FX-4(3)-508	559	215	7612207265866	4 piece	-	-
610		2,90	FX-4(3)-610	661	215	7612207265873	2 piece	-	-

## Other information

## Regulation

Maximum permissible distance according to DIN 1988.

## Remarks

Pipe supports for plastic and stainless-steel pipes available on request.  
 Outer diameter is the same as installation diameter.  
 \*Suitable for application with tubes of insulation thickness AF-3 and AF-4.

## ArmaFix AF . Pipe support – donut type

AF-6 (insulation thickness: 32.0mm - 45.0mm)								Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Outer diameter range [mm]	Length [mm]	EAN	Content [quantity]	Item	Content [quantity]
10	12	2,00	FX-6-10/12	68 - 71	75	7612207390254	20 piece	PCX 063/068	25 piece
15	18	2,00	FX-6-15/18	74 - 77	75	7612207265880	20 piece	PCX 068/073	10 piece
22	25	2,75	FX-6-22/25	80 - 84	75	7612207265897	20 piece	PCX 072/080	10 piece
28	30	3,00	FX-6-28/30	91 - 95	75	7612207265903	20 piece	PCX 082/085	10 piece
35	38	3,50	FX-6-35/38	104 - 109	85	7612207265910	16 piece	PCX 099/103	10 piece
42	45	3,75	FX-6-42/45	113 - 116	85	7612207265927	16 piece	PCX 099/103	10 piece
48		4,25	FX-6-48	119	85	7612207265934	16 piece	PCX 112/118	10 piece
54	57	4,25	FX-6-54/57	126 - 129	85	7612207265941	16 piece	PCX 112/118	10 piece
60	64	4,75	FX-6-60/64	134 - 137	100	7612207265958	12 piece	PCX 133/137	10 piece
70		4,75	FX-6-70	144	100	7612207265965	12 piece	PCX 137/142	10 piece
76	80	5,50	FX-6-76/80	152 - 156	115	7612207265972	12 piece	PCX 137/142	10 piece
89		6,00	FX-6-89	167	125	7612207265989	12 piece	PCX 159/164	10 piece

## ArmaFix AF . Pipe support – donut type

AF-6 (insulation thickness: 32.0mm - 45.0mm)								Related pipe clamp	
Pipe Ø [mm]	Also fits pipe OD [mm]	Maximum permissible distance [m]	Item	Outer diameter range [mm]	Length [mm]	EAN	Content [quantity]	Item	Content [quantity]
102	108	6,00	<b>FX-6-102/108</b>	179 - 188	125	7612207265996	12 piece	PCX 190	10 piece
110	114	6,00	<b>FX-6-110/114</b>	188 - 196	145	7612207266009	12 piece	PCX 199	10 piece
125		6,00	<b>FX-6-125</b>	207	145	7612207266016	12 piece	PCX 206	10 piece
133	140	6,00	<b>FX-6-133/140</b>	219 - 225	145	7612207266023	8 piece	PCX 231	10 piece
160		6,00	<b>FX-6-160</b>	248	145	7612207266030	6 piece	PCX 249	10 piece
165	168	6,00	<b>FX-6-165/168</b>	254 - 257	165	7612207266047	5 piece	PCX 259	10 piece
204		6,00	<b>FX-6-204</b>	305	215	7612207266054	3 piece	-	-
216	219	6,00	<b>FX-6-216/219</b>	317 - 320	215	7612207266061	1 piece	-	-
254		6,00	<b>FX-6-254</b>	355	215	7612207266078	1 piece	-	-
267	273	6,00	<b>FX-6-267/273</b>	368 - 374	215	7612207266085	1 piece	-	-
306		6,00	<b>FX-6-306</b>	407	215	7612207266092	6 piece	-	-
324		4,50	<b>FX-6-324</b>	425	215	7612207266108	6 piece	-	-
356		4,20	<b>FX-6-356</b>	457	215	7612207266115	6 piece	-	-
406		4,20	<b>FX-6-406</b>	507	215	7612207266122	2 piece	-	-
457		3,70	<b>FX-6-457</b>	558	215	7612207266139	2 piece	-	-
508		3,40	<b>FX-6-508</b>	609	215	7612207266146	2 piece	-	-
610		2,90	<b>FX-6-610</b>	711	215	7612207266153	2 piece	-	-
711		2,60	<b>FX-6-711</b>	812	215	7612207478242	2 piece	-	-

## Other information

## Regulation

Maximum permissible distance according to DIN 1988.

## Remarks

Pipe supports for plastic and stainless-steel pipes available on request.  
Outer diameter is the same as installation diameter.  
\*Suitable for application with tubes of insulation thickness AF-3 and AF-4.

## ArmaFix AF . Duct support

Item	Insulation thickness [mm]	Width [mm]	Length [m]	EAN	Content [quantity]
<b>AS-13MM</b>	13	100	2	7612207470154	7 piece
<b>AS-19MM</b>	19	100	2	7612207335873	5 piece
<b>AS-25MM</b>	25	100	2	7612207323818	4 piece
<b>AS-32MM</b>	32	100	2	7612207337839	3 piece
<b>AS-50MM</b>	50	100	2	7612207337846	2 piece

## Adhesives and Cleaners

Item	Description	Content [quantity]
<b>ADH-SF990/0,8</b>	ArmaFlex SF990 adhesive. Available in 0.8 litre cans	12 tin
<b>SF-CLEANER/1,0</b>	Solvent-free cleaner for use with ArmaFlex	6 tin
<b>ADH520/0,25E</b>	0.25 litre tins of ArmaFlex 520 adhesive with built-in brush, packed in a carton.	24 tin
<b>ADH520/0,5E</b>	0.5 litre tins of ArmaFlex 520 adhesive packed in a carton.	12 tin
<b>ADH520/1,0E</b>	1.0 litre tins of ArmaFlex 520 adhesive packed in a carton.	12 tin



**Adhesives and Cleaners**

<b>Item</b>	<b>Description</b>	<b>Content [quantity]</b>
<b>ADH520/2,5E</b>	2.5 litre tins of ArmaFlex 520 adhesive packed in a carton.	8 tin
<b>ADH-RS850/0,5</b>	ArmaFlex RS850 adhesive. Available in 0.5 litre cans.	6 tin
<b>CLEANER/1,0</b>	Special cleaner for use with ArmaFlex adhesives	4 tin