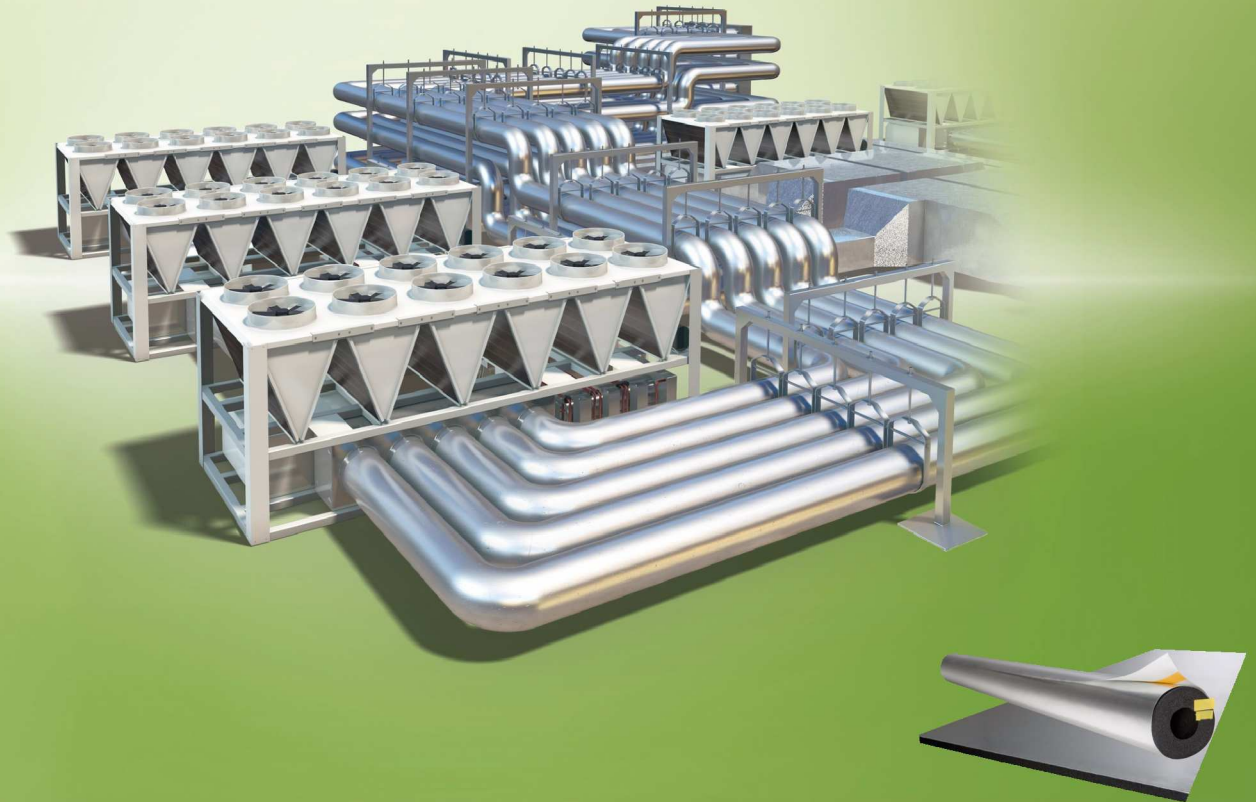


Arma-Chek®
Silver

THE BRILLIANT PRECOVERED
ARMAFLEX® INSULATION DESIGNED
FOR FAST INSTALLATION, DURABILITY
AND EASY CLEANING



- Insulation and covering in one product
- Saves installation time
- Easy to clean
- Full system with Tape, Elbows and T-Parts
- Good chemical resistance
- Professional training provided by Armacell®

INSULATION AND CLADDING IN ONE PRODUCT

Arma-Chek Silver is based on high performance AF/Armaflex insulation combined with a UV resistant metal finishing for aesthetic indoor and outdoor installations.

The product saves installation time with the pre-covered System compared with traditional cladding. In addition, the self-adhesive tubes are with tangential cut for improved adhesion security.

Watch the video under <http://youtu.be/x0nHyDRcEzo> and see the difference!



PRE-FORMED PARTS

Specially designed Arma-Chek Silver elbows and t-pieces offer you additional installation time savings. The pre-formed parts match the Armaflex tubes perfectly and complete the system.

Together with the prefabricated AF/Armaflex elbows and T-pieces thus fabrication and installation times can be reduced even further.



UV-RESISTANCE

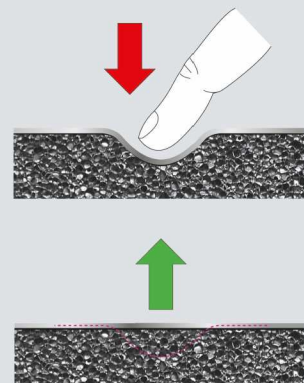
The UV-resistance of Arma-Chek Silver is constantly tested with Weather-O-Meter equipment according to ISO 4892. The samples are exposed to simulated weather for at least 15000 hours, which equals estimated 15 years of outdoor application in Central Europe.



SURFACE PRESSURE RESISTANCE

Unlike traditional metal cladding, Arma-Chek Silver recovers itself to original shape after pressure is exerted on its surface.

This property prevents lasting dents and ensures a durable installation.



Technical Data - Arma-Chek Silver

Brief description	Arma-Chek® Silver is a covering system with a double layer laminate of aluminium, coated with a special UV protection and a PVC backing. Enclosing an Armaflex® substrate, the Arma-Chek® Silver jacketing is highly puncture and tear resistant as well as flame retardant. Arma-Chek Silver can be used for insulation and protection of HVAC and Refrigeration systems inside or outside.
Material type	Insulation: Highly flexible, closed-cell elastomeric foam material based on synthetic rubber. Covering: double layer laminate of aluminium, coated with a special UV protection and a PVC backing.
Colour	silver (covering)
Product Range	Arma-Chek® Silver is available in a range of pre-insulated tubes & sheets, as well as single covering.
Applications	Insulation and protection of pipes, ducts, valves and vessels of refrigeration and air conditioning equipments, clean room environments, food industries etc.
Special Features	For outdoor use please note: Testing regarding UV resistance of these materials showed excellent results. When used on outdoor applications the materials showed very good durability even under UV exposition. However, due to the unpredictable nature of outdoor conditions in the whole variety of thinkable installations, there might be occasional weathering influences on the materials' consistence, which can not be tested in advance. Therefore, installations in extreme environments (regions of extreme weather conditions like high mountains etc.) can not be recommended. In case of doubt please contact our Customer Service.
Assembly	The Armaflex® and Arma-Chek® installation manuals should be consulted before assembly. We offer special installation courses for the application of Arma-Chek®. Please consult our sales representatives.
Remarks	When dimensioning the insulation thickness please calculate with an external surface coefficient of 8 W/(m²·K). For outdoor use please note: Testing regarding UV resistance of these materials showed excellent results. When used on outdoor applications the materials showed very good durability even under UV exposition. However, due to the unpredictable nature of outdoor conditions in the whole variety of thinkable installations, there might be occasional weathering influences on the materials' consistence, which can not be tested in advance. Therefore, installations in extreme environments (regions of extreme weather conditions like high mountains etc.) can not be recommended. In case of doubt please contact our sales representatives.

Property	Value/Assessment		Test ^{*1}	Super- vision ^{*2}	Special Remark
Temperature Range					
Temperature Range ¹	max. service temperature	+110 °C for substrate (+85 °C if sheet is glued to the object with its whole surface)	EU 5695		Tested acc. to EN 14706, EN 14707 and EN 14304
	min. service temperature ²	-25 °C			
Thermal Conductivity					
Thermal Conductivity	depends on used Armaflex substrate		EU 5695 EU 6430	○/●	Declared acc. to EN ISO 13787 Tested acc. to EN 12667 EN ISO 8497
Water vapour diffusion resistance					
Water vapour diffusion resistance	sheets and tubes	μ ≥ 15.000	EU 5695	○/●	Tested according to EN ISO 12086, EN 13469
Fire performance					
Reaction to fire	Arma-Chek Silver (AF) tubes	C _L -s3, d0	EU 5695	○/●	EN 13823 EN ISO 11925-2
	Arma-Chek Silver (AF) sheets 13 - 25 mm	C-s3, d0			
	Arma-Chek Silver (AF) sheets 32 - 50 mm	D-s3, d0			
	Arma-Chek Silver (ACE) tubes and sheets	E			
Other technical features					
Dimensions and tolerances	In acc. with EN 14304, Table 1 (Armaflex substrate)		EU 5695	○/●	Tested acc. to EN 822, EN 823, EN 13467
Weight	approx. 340 g/m² (covering)				Tested according to EN 22286
Material thickness	approx. 230 μm				Tested according to EN 22286
Resistance to mechanical impact	Good puncture and tear resistance.				
UV resistance ³	Excellent		TB 142		Tested according to EN ISO 4892-2 (Xenon-Test)
Tear strength	MD 70 N CD 28 N				Tested acc. to EN ISO 527-3
Health aspects	Dust and fibre free.				
Storage & Shelf life	Tape, sheets, tubes, self-adhesive: 1 year Can be stored in dry, clean rooms at normal relative humidity (50% to 70%) and ambient temperature (0 °C – 35 °C).				

1. When there are fluctuations in temperature, the surface may wrinkle slightly, as elastomeric products expand and contract in these circumstances. However, these superficial changes do not have any impact on the performance of the material. The wrinkles usually disappear as soon as the plant is heated to its original operating temperature.

2. For temperatures below -30 °C or above +100 °C, please consult our Customer Service Center for further information.

3. In outdoor applications the colour may fade. This does not have any impact on the functionality of the covering or the insulation material.

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

Technical Data - Arma-Chek Silver

*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 Arma-Chek installation manual. Please consult our sales representatives before insulating stainless steels. Armaflex 520 adhesive and Clipse must be used to guarantee proper installation.

Arma-Chek Silver (AF) tubes self-adhesive pre-covered



Length 1,0 m

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	AF-2 insulation thickness 11,5 mm - 16,0 mm			AF-4 Insulation thickness 17,0 mm - 25,0 mm		
		Insulation thickness [mm]	Code	m/carton	Insulation thickness [mm]	Code	m/carton
15	16,0 - 17,5	11,5	AFSI-2-015 ○	65	17,0	AFSI-4-015	44
18	19,0 - 20,5	11,5	AFSI-2-018	60	17,5	AFSI-4-018	35
22	23,0 - 24,5	12,0	AFSI-2-022	50	18,0	AFSI-4-022	30
28	29,0 - 30,5	12,5	AFSI-2-028	42	19,0	AFSI-4-028	24
35	36,0 - 38,0	13,0	AFSI-2-035	31	19,5	AFSI-4-035	18
42	43,5 - 45,5	13,5	AFSI-2-042	24	20,5	AFSI-4-042	16
48	49,5 - 51,5	13,5	AFSI-2-048	22	21,0	AFSI-4-048	12
54	55,0 - 57,0	13,5	AFSI-2-054	18	21,0	AFSI-4-054	12
60	61,5 - 63,5	14,0	AFSI-2-060	16	21,5	AFSI-4-060	10
64	65,0 - 67,5	14,0	AFSI-2-064	15	21,5	AFSI-4-064	9
76	77,0 - 79,5	14,0	AFSI-2-076	14	22,0	AFSI-4-076	8
89	90,5 - 93,5	14,5	AFSI-2-089	11	22,5	AFSI-4-089	6
114	116,0 - 120,0	15,0	AFSI-2-114 ○●	8	23,5	AFSI-4-114 ○●	5
140	142,0 - 146,0	15,5	AFSI-2-140 ○●	4	24,5	AFSI-4-140 ○●	3
168	170,0 - 176,0	-	-	-	25,0	AFSI-4-168 ○●	2

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	AF-5 insulation thickness 25,0 mm - 33,0 mm					
		Insulation thickness [mm]	Code	m/carton			
18	19,0 - 20,5	25,0	AFSI-5-018	21	-	-	-
22	23,0 - 24,5	25,0	AFSI-5-022	18	-	-	-
28	29,0 - 30,5	25,0	AFSI-5-028	18	-	-	-
35	36,0 - 38,0	27,0	AFSI-5-035	12	-	-	-
42	43,5 - 45,5	27,0	AFSI-5-042	11	-	-	-
48	49,5 - 51,5	27,5	AFSI-5-048	8	-	-	-
54	55,0 - 57,0	28,5	AFSI-5-054	8	-	-	-
60	61,5 - 63,5	29,0	AFSI-5-060	6	-	-	-
64	65,0 - 67,5	29,0	AFSI-5-064	6	-	-	-
76	77,0 - 79,5	30,0	AFSI-5-076	5	-	-	-
89	90,5 - 93,5	30,5	AFSI-5-089	4	-	-	-
114	116,0 - 120,0	31,5	AFSI-5-114 ○●	3	-	-	-
140	142,0 - 146,0	32,0	AFSI-5-140 ○●	3	-	-	-
168	170,0 - 176,0	33,0	AFSI-5-168 ○●	2	-	-	-

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

○ In the case of this item the seam is not self-adhesive and is achieved with a radial cut surface.

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

Arma-Chek Silver (AF) sheets endless pre-covered



Width 1,0 m

Code	Insulation thickness [mm]	Roll length [m]	m²/carton
AFSI-13MM/E	13,0	8	8
AFSI-19MM/E	19,0	6	6
AFSI-25MM/E	25,0	4	4
AFSI-32MM/E	32,0	3	3

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

Arma-Chek Silver (AF) sheets endless self-adhesive pre-covered



Width 1,0 m

Code	Insulation thickness [mm]	Roll length [m]	m ² /carton
AFSI-13MM/EA •	13,0	8	8
AFSI-19MM/EA •	19,0	6	6
AFSI-25MM/EA •	25,0	4	4
AFSI-32MM/EA •	32,0	3	3

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 in stock. Delivery on request. [MTO]

Arma-Chek Silver (ACE) tubes pre-covered



Length 1,0 m, Arma-Chek Silver tubes, not pre-slit.

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	13,0 mm		19,0 mm	
		Code	m/carton	Code	m/carton
15	16,0 - 17,5	SI-13-015 •	61	SI-19-015 •	39
18	19,0 - 20,5	SI-13-018 •	52	SI-19-018 •	36
22	23,0 - 24,5	SI-13-022 •	50	SI-19-022 •	32
28	29,0 - 30,5	SI-13-028 •	41	SI-19-028 •	24
35	36,0 - 38,0	SI-13-035 •	30	SI-19-035 •	18
42	43,5 - 45,5	SI-13-042 •	25	SI-19-042 •	16
48	49,5 - 51,5	SI-13-048 •	21	SI-19-048 •	14
54	55,0 - 57,0	SI-13-054 •	19	SI-19-054 •	12
60	61,5 - 63,5	SI-13-060 •	16	SI-19-060 •	12
64	65,0 - 67,5	SI-13-064 •	15	SI-19-064 •	10
76	77,0 - 79,5	SI-13-076 •	14	SI-19-076 •	9
89	90,5 - 93,0	SI-13-089 •	9	SI-19-089 •	8
114	116,0 - 120,0	SI-13-114 •	10	SI-19-114 •	7
125	127,0 - 131,0	SI-13-125 •	9	SI-19-125 •	5
133	135,0 - 139,0	SI-13-133 •	8	SI-19-133 •	6
140	142,0 - 146,0	SI-13-140 •	6	SI-19-140 •	5
160	162,0 - 166,0	SI-13-160 •	6	SI-19-160 •	5

Pipe max. Outside-Ø [mm]	Inner Ø min/ max mm	25,0 mm		32,0 mm	
		Code	m/carton	Code	m/carton
22	23,0 - 24,5	SI-25-022 •	20	SI-32-022 •	12
28	29,0 - 30,5	SI-25-028 •	18	SI-32-028 •	12
35	36,0 - 38,0	SI-25-035 •	12	SI-32-035 •	9
42	43,5 - 45,5	SI-25-042 •	11	SI-32-042 •	8
48	49,5 - 51,5	SI-25-048 •	9	SI-32-048 •	6
54	55,0 - 57,0	SI-25-054 •	9	SI-32-054 •	6
60	61,5 - 63,5	SI-25-060 •	9	SI-32-060 •	5
64	65,0 - 67,5	SI-25-064 •	6	SI-32-064 •	5
76	77,0 - 79,5	SI-25-076 •	6	SI-32-076 •	5
89	90,5 - 93,0	SI-25-089 •	5	SI-32-089 •	5
114	116,0 - 120,0	SI-25-114 •	3	SI-32-114 •	2
133	135,0 - 139,0	SI-25-133 •	2	-	-
140	142,0 - 146,0	SI-25-140 •	2	SI-32-140 •	2
160	162,0 - 167,0	-	-	SI-32-160 •	1

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]

Arma-Chek Silver (ACE) sheets pre-covered



Width 1,0 m, Color black, Covering Color silver

Code	Insulation thickness [mm]	Roll length [m]	m ² /carton
SI-13-99/E •	13,0	8	8
SI-19-99/E •	19,0	6	6
SI-25-99/E •	25,0	4	4
SI-32-99/E •	32,0	3	3
SI-40-99/E •	40,0	7	7
SI-50-99/E •	50,0	5	5

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 in stock. Delivery on request. [MTO]

Arma-Chek Silver (ACE) sheets self-adhesive pre-covered



Width 1,0 , Color black, Covering Color silver

Code	Insulation thickness [mm]	Roll length [m]	m ² /carton
SI-13-99/EA •	13,0	8	8
SI-19-99/EA •	19,0	6	6
SI-25-99/EA •	25,0	4	4
SI-32-99/EA •	32,0	3	3
SI-40-99/EA •	40,0	7	7
SI-50-99/EA •	50,0	5	5

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 in stock. Delivery on request. [MTO]

Arma-Chek Silver covering endless



Color silver, Covering foil

Code	Width [mm]	Roll length [m]	Rolls/carton	m ² /carton
ACH-SI25	1.040,0	25	2	52
ACH-SI25/100	100,0	25	4	10

Arma-Chek Silver elbows pre-fabricated



Color silver, Elbow fitting (covering without insulation)

Pipe max. Outside-Ø [mm]	AF-2 insulation thickness 11,5 mm - 16,0 mm		AF-4 insulation thickness 15,5 mm - 25,0 mm	
	Code	Pieces/carton	Code	Pieces/carton
28	-	-	ACHB-070	1
35	-	-	ACHB-080	1
42	ACHB-070	1	ACHB-080	1
48	ACHB-080	1	ACHB-090	1
54	ACHB-080	1	ACHB-100	1
60	ACHB-090	1	-	-
64	ACHB-100	1	-	-
76	-	-	ACHB-120	1
89	ACHB-130 •	1	-	-
114	-	-	ACHB-160 •	1
140	ACHB-180 •	1	-	-
168	ACHB-210 •	1	-	-

Arma-Chek Silver elbows pre-fabricated



Color silver, Elbow fitting (covering without insulation)

Pipe max. Outside-Ø [mm]	AF-5 insulation thickness 25,0 mm - 32,0 mm			
	Code	Pieces/carton		
18	ACHB-070	1	-	-
22	ACHB-080	1	-	-
28	ACHB-080	1	-	-
35	ACHB-090	1	-	-
42	ACHB-100	1	-	-
48	ACHB-100	1	-	-
60	ACHB-120	1	-	-
64	ACHB-120	1	-	-
76	ACHB-130 •	1	-	-
89	ACHB-160 •	1	-	-
114	ACHB-180 •	1	-	-
140	ACHB-210 •	1	-	-

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

Arma-Chek Silver t-pieces pre-fabricated



Color silver, T-piece fitting (covering without insulation)

Pipe max. Outside-Ø [mm]	AF-2 insulation thickness 11,5 mm - 16,0 mm		AF-4 Insulation thickness 17,0 mm - 25,0 mm	
	Code	Pieces/carton	Code	Pieces/carton
18	-	-	ACHT-052	1
22	ACHT-052	1	ACHT-057	1
28	ACHT-052	1	ACHT-067	1
35	ACHT-057	1	ACHT-073	1
42	ACHT-067	1	-	-
48	ACHT-073	1	ACHT-093	1
54	-	-	ACHT-100	1
60	ACHT-088	1	ACHT-102	1
64	ACHT-100	1	-	-
76	ACHT-102	1	ACHT-120	1
89	ACHT-116	1	ACHT-136	1
114	-	-	ACHT-156	1
140	ACHT-176	1	ACHT-189	1
168	ACHT-214	1	ACHT-214	1

Pipe max. Outside-Ø [mm]	AF-5 insulation thickness 25,0 mm - 33,0 mm			
	Code	Pieces/carton		
18	ACHT-067	1	-	-
22	ACHT-073	1	-	-
35	ACHT-093	1	-	-
42	ACHT-093	1	-	-
48	ACHT-100	1	-	-
54	ACHT-102	1	-	-
60	ACHT-116	1	-	-
64	ACHT-120	1	-	-
76	ACHT-128	1	-	-
89	ACHT-140	1	-	-
114	ACHT-169	1	-	-
140	ACHT-194	1	-	-
168	ACHT-245	1	-	-

Arma-Chek Silver tapes self-adhesive



Covering Color silver, Composite aluminium tape

Code	Width [mm]	Length [m]	Thickness [mm]	Rolls/carton
ACH-PSATAPES-30	30,0	25	0.08	10
ACH-PSATAPES-50	50,0	50	0.08	6