

GSH Güteschutzgemeinschaft Hartschaum e.V.

CERTIFICATE OF CONFORMITY

No. 0543-FEF-12-R2-F.e
on the basis of EN 13172, Annex A

Herewith we confirm that the

**Thermal insulation products for building equipment and industrial installations -
Factory made flexible elastomeric foam (FEF) products**

as listed in Annex 1 (2 pages) of this certificate and produced by

**Armacell GmbH
Robert-Bosch-Str. 10
D-48153 Münster**

correspond to the technical specification

EN 14304.

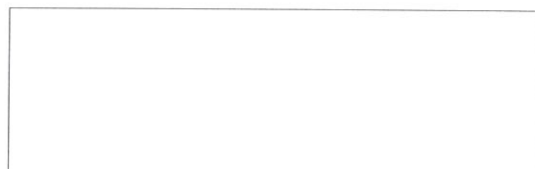
This certificate of conformity is valid until **31.08.2016**. The validity can be prolonged by seal of the GSH and signature of the manager of the certification body.

Date of first issue: 27.08.2013 / 0543-FEF-12-F.e
Date of change : 11.07.2014 / 0543-FEF-12-R1-F.e
Date of change : 02.07.2015 / 0543-FEF-12-R2-F.e


Manager of the Certification Body
Corth Siegfried

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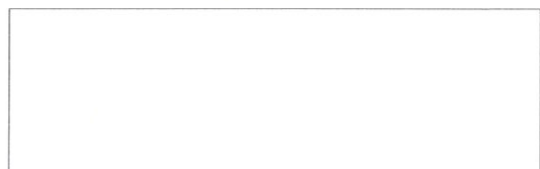
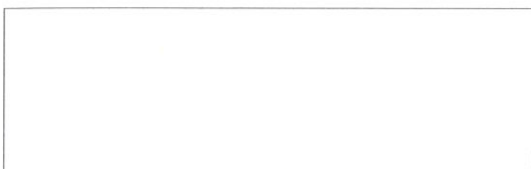
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Annex 1 of the Certificate No. 0543-FEF-12-R2-F.e

Product name	Description	Thermal conductivity λ_D at 0 °C W/mK	Thermal conductivity λ_D at 40 °C W/mK	Reaction to fire Euroclass	Maximum service temp. (ST(+)) °C	Minimum service temp. (ST(-)) °C	Water vapour resistance factor (MU)	Soluble ions/pH (CL)	Designation code of manufacturer
AF/Armaflex Tubes (54 mm)	Elastomeric tubes	0,036		E	110	-50	4.000	300	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 300 - MU 4000
Armaflex LTD Tubes (10-25 mm) Sheets (10-25 mm)	Elastomeric sheets and tubes	0,040		E	110	-180	1.000	300	FEF - EN14304 - ST(+)110 - ST(-)200 - CL 300 - MU 1000
SH/Armaflex Sheets (20 mm)	Elastomeric sheets		0,040	D-s3, d0	110	-	-	-	FEF - EN14304 - ST(+)110
NH/Armaflex Tubes (9-25mm) Sheets (3-32mm)	Elastomeric sheets, tubes and tape	0,040		D _L -s2, d0 E	110	-50	2.000	80	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 80 - MU 2000
AP Armaflex Tubes (6-25 mm)	Elastomeric tubes	0,036		E	110		2.000	-	FEF - EN14304 - ST(+)110 - ST(-)50 - MU 2000
AP Armaflex Sheets (3-25 mm)	Elastomeric sheets and tape	0,036		E	110		4.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 4000
AP Armaflex Tubes (26-32 mm) Sheets (26-50 mm)	Elastomeric sheets, tubes and tape	0,045		E E	110		1.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 1000
HT/Armaflex Tubes (10-25mm)	Elastomeric tubes		0,042	D _L -s3, d0	150		4.000	80	FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 4000
HT/Armaflex Sheets (3-25mm)	Elastomeric sheets and tape		0,045	D-s3, d0	150		3.000		FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 3000
HT/Armaflex Industrial Tubes (10-25 mm)	Elastomeric tubes	0,038		D _L -s3, d0	150		4.000		FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 4000
HT/Armaflex Industrial Sheets (3-25 mm)	Elastomeric sheets and tape	0,041		D-s3, d0	150		3.000		FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 3000
HT/Armaflex Industrial IMO Sheets (13-25 mm)	Elastomeric sheets and tape	0,044		D-s3, d0	150		2.000	30	FEF - EN14304 - ST(+)150 - ST(-)50 - CL 30 - MU 2000
HT/Armaflex S-WH Tubes (10-32mm)	Elastomeric tubes		0,042	E	150		4.000	80	FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 4000
HT/Armaflex S-BK Tubes (10-32mm)	Elastomeric tubes		0,042	E	150	4.000	FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 4000		
Armaflex DuoSolar Tubes (14-25 mm)	Elastomeric tubes with pipes pre-insulated		0,042	E	150	4.000	FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 4000		
Armaflex Duct PLUS AL Sheets (9-32mm)	Elastomeric sheets with coating	0,036		D-s3, d0	110	-50	7.000	-	FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000
Armaflex Duct Sheets (9-25 mm)	Elastomeric sheets	0,036		D-s3, d0	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000
Armaflex Duct Sheets (32-40 mm)	Elastomeric sheets	0,038		D-s3, d0	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000
Armaflex Duct AL Sheets (9-25 mm)	Elastomeric sheets with coating	0,036		E	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000
Armaflex Duct AL Sheets (32-40 mm)	Elastomeric sheets with coating	0,038		E	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000
Armaflex Duct AL Sheets (32-40 mm)	Elastomeric sheets with coating	0,038		E	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000

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Annex 1 of the Certificate No. 0543-FEF-12-R2-F.e (continued)

Product name	Description	Thermal conductivity λ_D at 0 °C W/mK	Thermal conductivity λ_D at 40 °C W/mK	Reaction to fire Euroclass	Maximum service temp. (ST(+)) °C	Minimum service temp. (ST(-)) °C	Water vapour resistance factor (MU)	Soluble ions/pH (CL)	Designation code of manufacturer	
Arma-Chek D (AF) Tubes (9-25 mm) Sheets (13-25 mm)	Elastomeric sheets and tubes with coating	0,033		E	110	-50	10.000	300	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 10000	
Arma-Chek D (AF) Tubes (25-32 mm)	Elastomeric tubes with coating	0,036		E	110		7.000	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 7000		
Arma-Chek D (NH) Tubes (13-25 mm) Sheets (13-25 mm)	Elastomeric sheets and tubes with coating	0,040		E	110		2.000	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 80 - MU 2000		
Arma-Chek S+ (AF) Tubes (9-25 mm) Sheets (13-25 mm)	Elastomeric sheets and tubes with coating	0,033		E	110		10.000	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 10000		
Arma-Chek S+ (NH) Tubes (13-25 mm) Sheets (13-25 mm)	Elastomeric sheets and tubes with coating	0,040		E	110		2.000	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 80 - MU 2000		
Arma-Chek Silver Tubes (13-19 mm) Sheets (13-25 mm)	Elastomeric sheets and tubes with coating	0,036		E	110		15.000	FEF - EN14304 - ST(+)-110 - ST(-)-50 - MU 15000		
Arma-Chek Silver Tubes (25-40 mm) Sheets (32-50 mm)	Elastomeric sheets and tubes with coating	0,038		E	110			FEF - EN14304 - ST(+)-110 - ST(-)-50 - MU 15000		
Arma-Chek R GRAU (AF) Tubes (25-32 mm)	Elastomeric tubes with coating	0,036		E	110		300	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 15000		
Arma-Chek R GRAU (NH) Tubes (25mm)	Elastomeric tubes with coating	0,040		E	110		80	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 80 - MU 15000		
Arma-Chek Silver AF Sheets (26-50 mm)	Elastomeric sheets with coating	0,036		D-s3, d0	110		300	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 15000		
Arma-Chek R GRAU (HT) Tubes (25mm)	Elastomeric tubes with coating	-		0,042	E		150	80	FEF - EN14304 - ST(+)-150 - ST(-)-50 - CL 80 - MU 15000	
Arma-Chek SD Sheets (10-32 mm)	Elastomeric sheets with laminate	0,033		-	D-s3, d0		110	10000	300	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 10000

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