

GSH
Güteschutzgemeinschaft
Hartschaum e.V.

CERTIFICATE OF CONFORMITY

No. 0543-FEF-12-1.e

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 of this certificate and produced by

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

correspond to the technical specification

EN 14304.

The holder of this certificate is authorized to affix the CE mark on the products.

This certificate of conformity is valid until **30.06.2013**. The validity can be prolonged
by seal of the GSH and signature of the manager of the certification body.

16.07.12 / 0543-FEF-12-1.e

Manager of the Certification Body
Klaus Zipp

Prolonged until:

Prolonged until:



Otto-von-Boehn-Str. 30
D - 29227 Celle
Notified Body 0919
ÜZ: ÜG 049

Tel +49 (0) 5141-88 92 65
Fax +49 (0) 5141-88 92 67
www.gsh.eu
info@gsh.eu

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Annex 1 of the Certificate No. 0543-FEF-12-1.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 (7-25 mm) Sheets (3 - 32mm)	Elastomeric sheets, tubes and tape	0,033		B ₁ -s3, d0 B-s3, d0	110	-50	10.000	300	FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 10000
AF/Armaflex Tubes (25-45 mm) Sheets (36-50 mm)	Elastomeric sheets and tubes	0,036		B ₁ -s3, d0 B-s3, d0	110		7.000		FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 7000
AF/Armaflex Tubes (54 mm)	Elastomeric tubes	0,036		E	110		4.000		FEF - EN14304 - ST(+)-110 - ST(-)-50 - CL 300 - MU 4000
Armaflex XG Tubes (6-19 mm) Sheets (3-25 mm)	Elastomeric sheets, tubes and tape	0,036		B ₁ -s3, d0 B-s3, d0	110		10.000		FEF - EN14304 - ST(+)-110 - ST(-)-50 - MU 10000
Armaflex XG Tubes (25-40 mm) Sheets (32-40 mm)	Elastomeric sheets and tubes	0,038		B ₁ -s3, d0 B-s3, d0	110		7.000		FEF - EN14304 - ST(+)-110 - ST(-)-50 - MU 7000
Armaflex ACE Tape 3 mm	Elastomeric tape	0,036		B-s3, d0	110		-		FEF - EN14304 - ST(+)-110
Accoflex EX Sheets (13-25 mm)	Elastomeric sheets	0,038		C-s3, d0	110		7.000		FEF - EN14304 - ST(+)-110 - MU 7000
Class O Armaflex Sheets (3-32 mm)	Elastomeric sheets and tape	0,034		B-s3, d0	110		7.000		FEF - EN14304 - ST(+)-110 - ST(-)-50 - MU 7000
Armaflex LTD Tubes (10-25 mm) Sheets (10-25 mm)	Elastomeric sheets and tubes	0,040		E	110		1.000	300	FEF - EN14304 - ST(+)-110 - ST(-)-200 - CL 300 - MU 1000
SH/Armaflex Tubes (9-11 mm)	Elastomeric tubes	0,036		B ₁ -s3, d0	110				FEF - EN14304 - ST(+)-110
SH/Armaflex Tubes (12-45 mm)	Elastomeric tubes	0,040		B ₁ -s3, d0	110				FEF - EN14304 - ST(+)-110
SH/Armaflex Tape (3 mm)	Elastomeric tape	0,036		B-s3, d0	110				FEF - EN14304 - ST(+)-110
SH/Armaflex Sheets (9-10 mm)	Elastomeric sheets	0,036		C-s3, d0	110				FEF - EN14304 - ST(+)-110
SH/Armaflex Sheets (20 mm)	Elastomeric sheets	0,040		D-s3, d0	110				FEF - EN14304 - ST(+)-110
SH/Armaflex Tubes (46-60 mm)	Elastomeric tubes	0,040		C ₁ -s3, d0	110				FEF - EN14304 - ST(+)-110
Armaflex HP Tubes (10 mm)	Elastomeric tubes	0,036		B ₁ -s3, d0	110				FEF - EN14304 - ST(+)-110
Armaflex HP Tubes (13 - 38 mm) Tape 3 mm	Elastomeric tubes and tape	0,040		B ₁ -s3, d0 B-S3, d0	110				FEF - EN14304 - ST(+)-110

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NH/Armaflex Tubes (9-25mm) Sheets (3-32mm)	Elastomeric sheets, tubes and tape	0,040		D _L -s3, 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
Armaflex Ultima Tubes (9-25 mm) Sheets (3-9 mm)	Elastomeric sheets, tubes and tape	0,040		B _L -s1, d0 B-s1, d0	110		7.000	300	FEF - EN14304 - ST(+) 110 - ST(-) 50 - CL 300 - MU 7000
Armaflex Ultima Sheets (10-25 mm)	Elastomeric sheets	0,040		B-s2, d0	110		7.000		FEF - EN14304 - ST(+) 110 - ST(-) 50 - CL 300 - MU 7000
Armaflex Rail SD Sheets (3 mm) Sheets (6-25 mm)	Elastomeric sheets and tape	0,040		B-s1, d0 B-s2, d0	110		5.000		FEF - EN14304 - ST(+) 110 - ST(-) 50 - CL 300 - MU 5000
Armaflex Rail SD Tubes (9-25 mm)	Elastomeric tubes	0,040		B _L -s1, d0	110				FEF - EN14304 - ST(+) 110 - ST(-) 50 - CL 300 - MU 5000
HT/Armaflex Tubes (10-25mm)	Elastomeric tubes	0,042	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 S-WH Tubes (10-32mm)	Elastomeric tubes		0,042	E	150	4.000		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	

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Armaflex DuoSolar Tubes (14-25 mm)	Elastomeric tubes with pipes pre-insulated		0,042	E	150		4.000	80	FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 4000
Armaflex Duct PLUS Sheets (9-32mm)	Elastomeric sheets	0,036		B-s3, d0	110	-50	7.000		FEF - EN14304 - ST(+)110 - ST(-)50 - MU 7000
Armaflex Duct PLUS AL Sheets (9-32mm)	Elastomeric sheets with coating	0,036		D-s3, d0	110		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(-)20 - MU 7000
Armaflex Duct Sheets (32-40 mm)	Elastomeric sheets	0,038		D-s3, d0	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)20 - MU 7000
Armaflex Duct AL Sheets (9-25 mm)	Elastomeric sheets with coating	0,036		E	110	-20	7.000		FEF - EN14304 - ST(+)110 - ST(-)20 - MU 7000
Armaflex Duct AL Sheets (32-40 mm)	Elastomeric sheets with coating	0,038		E	110		7.000		FEF - EN14304 - ST(+)110 - ST(-)20 - MU 7000
Arma-Chek D (AF) Tubes (9-25 mm)	Elastomeric sheets and tubes with coating	0,033		E	110		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)	Elastomeric sheets and tubes with coating	0,040		E	110		2.000	80	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 80 - MU 2000
Arma-Chek S+ (AF) Tubes (9-25 mm)	Elastomeric sheets and tubes with coating	0,033		E	110		10.000	300	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 300 - MU 10000
Arma-Chek S+ (AF) Tubes (25-32 mm)	Elastomeric tubes with coating	0,036		E	110		10.000		FEF - EN14304 - ST(+)110 - ST(-)50 - CL 300 - MU 10000
Arma-Chek S+ (NH) Tubes (13-25 mm)	Elastomeric sheets and tubes with coating	0,040		E	110		2.000	80	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 80 - MU 2000
Arma-Chek Silver AF Tubes (9-25 mm)	Elastomeric tubes with coating	0,033		C _L -s3, d0	110	-50		300	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 300 - MU 15000
Arma-Chek Silver AF Tubes (25-32 mm)	Elastomeric tubes with coating	0,036		C _L -s3, d0	110				FEF - EN14304 - ST(+)110 - ST(-)50 - CL 300 - MU 15000
Arma-Chek Silver AF Sheets (13-25 mm)	Elastomeric sheets with coating	0,033		C-s3, d0	110				FEF - EN14304 - ST(+)110 - ST(-)50 - CL 300 - MU 15000
Arma-Chek Silver Tubes (13-19 mm)	Elastomeric sheets and tubes with coating	0,036		E	110				FEF - EN14304 - ST(+)110 - ST(-)50 - MU 15000
Arma-Chek Silver Tubes (25-40 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 SCHWARZ (AF) Tubes (25-32 mm)	Elastomeric tubes with coating	0,036		E	110				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				FEF - EN14304 - ST(+)110 - ST(-)50 - CL 80 - MU 15000
Arma-Chek R SCHWARZ (NH) Tubes (25mm)	Elastomeric tubes with coating	0,040		E	110			80	FEF - EN14304 - ST(+)110 - ST(-)50 - CL 80 - MU 15000
Arma-Chek R GRAU (HT) Tubes (25mm)	Elastomeric tubes with coating		0,042	E	150				FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 15000
Arma-Chek R SCHWARZ (HT) Tubes (25mm)	Elastomeric tubes with coating		0,042	E	150				FEF - EN14304 - ST(+)150 - ST(-)50 - CL 80 - MU 15000

This Annex consists of 3 pages and is valid until **30.06.2013**. The validity can be prolonged by seal of the GSH and signature of the manager of the certification body.

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