

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0751-CPR.2-006.0-01

In compliance with Regulation (EU) 305/2011 of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), this certificate applies to the construction product

Factory made flexible elastomeric foam (FEF) products for thermal insulation of building equipment and industrial installations
(details cf. annex)

Placed on the market under the name or trade mark of

KAIMANN GmbH

Hansastr. 2-5
33161 Hövelhof
Germany

and produced in the manufacturing plant

Hövelhof

Hansastr. 2-5
33161 Hövelhof
Germany

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard

EN 14304:2009+A1:2013

under system 1 for the performance set out in this certificate are applied and that the factory production control conducted by the manufacturer is assessed to ensure the

constancy of performance of the construction product.

This certificate was first issued on 27.02.2014 and will remain valid (but no longer than 14.12.2024) as long as neither the harmonised standard, the construction product, the AVCP methods nor the manufacturing conditions in the plant are modified significantly, unless suspended or withdrawn by the notified product certification body.

Gräfelfing, 14.12.2023



Certification Body

Andreas Schmeller
Dr. Andreas Schmeller M. Sc.

A publication of extracts or a referring to the Certificate of Constancy of Performance and its annex requires the prior written approval of FIW München. Certification body accredited by DAkkS according to EN ISO/IEC 17065:2012 according to the certification annex D-ZE-14116-01-00.

Factory: Hövelhof, Hansastr. 2-5 , 33161 Hövelhof, Germany

Construction product(s): Factory made flexible elastomeric foam (FEF) products for thermal insulation of building equipment and industrial installations according to EN 14304:2009+A1:2013

Intended use: Thermal insulation products for building equipment and industrial installations for uses subject to regulations on reaction to fire B and B₁/C₁. Products for which a clearly identifiable stage in the production process results in an improvement in the reaction to fire classification by an addition of fire retardants.

Product					Reaction to fire EN 13501-1			
No.	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report
1	Sheet	Kaiflex EF	FEF Sheet	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
2	Tape	Kaiflex EF	FEF Tape one side self-adhesive	3 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
3	Tube	Kaiflex EF	FEF Tube	6 mm to 50 mm	Bl-s3, d0	Thickness ≤ 25 mm	1	2300006364-3
4	Tube	Kaiflex EF	FEF Tube	6 mm to 50 mm	Bl-s3,d0	Thickness ≤ 50 mm	2	2628T13-3
5	Sheet	Kaiflex Duct plus	FEF Sheet one side self-adhesive	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12

Product					Reaction to fire EN 13501-1			
No.	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report
6	Sheet	Kaiflex EF/SK	FEF Sheet one side self-adhesive	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
7	Sheet	Kaiflex EF-E	FEF Sheet	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
8	Sheet	Kaiflex KK s3	FEF Sheet	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
9	Sheet	Kaiflex KK/SK s3	FEF Sheet one side self-adhesive	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
10	Sheet	Kaiflex KKplus s1	FEF Sheet one side with intumescent foil with fabric layer	20 mm to 45 mm	B-s1, d0	Thickness 3 mm to 50 mm Density: 44 kg/m ³ ± 15 %	14	230009442-3
11	Tube	Kaiflex KKplus s1	FEF tube	20 mm to 45 mm	B _i -s1, d0	Thickness ≤ 32 mm Density: 65 kg/m ³ ± 15 %	12	43/16
12	Tube	Kaiflex KKplus s1	FEF tube	33 mm to 40 mm	B _i -s1, d0	Thickness ≤ 40 mm Density: 60 kg/m ³ ± 15 %	21	21/18

		Product				Reaction to fire EN 13501-1			
No.	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report	
13	Tube	Kaiflex KKplus s1 SK	FEF Tube self-adhesive	20 mm to 32 mm	Bl-s1, d0	Thickness ≤ 32 mm Density: 65 kg/m ³ ± 15 %	13	45/16	
14	Sheet	Kaiflex KKplus s1/SK	FEF Sheet one side with intumescent foil with fabric layer and on the other side self-adhesive	20 mm to 32 mm	B-s1, d0	Thickness 3 mm to 50 mm Density: 44 kg/m ³ ± 15 %	14	230009442-3	
15	Tube	Kaiflex KKplus s2	FEF Tube	6 mm to 45 mm	Bl-s2, d0	Thickness ≤ 45 mm	9	230009439-3	
16	Sheet	Kaiflex KKplus s2	FEF Sheet	3 mm to 32 mm	B-s2, d0	Thickness 3 mm to 32 mm	11	230010301-3	
17	Sheet	Kaiflex KKplus s2/SK	FEF Sheet one side self-adhesive	3 mm to 32 mm	B-s2, d0	Thickness 3 mm to 32 mm	11	230010301-3	
18	Sheet	Kaiflex KKplus s3	FEF Sheet	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12	
19	Tape	Kaiflex KKplus s3	FEF Tape one side self-adhesive	3 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12	

No.	Product				Reaction to fire EN 13501-1			
	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report
20	Tube	Kaiflex KKplus s2/SK	FEF Tube self-adhesive	6 mm to 45 mm	Bl-s2, d0	Thickness ≤ 45 mm	9	230009439-3
21	Sheet	Kaiflex KKplus s3 /SK	FEF Sheet one side self-adhesive	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
22	Tube	Kaiflex LS	FEF Tube	6 mm to 45 mm	Bl-s2, d0	Thickness ≤ 45 mm	9	230009439-3
23	Sheet	Kaiflex LS	FEF Sheet	3 mm to 32 mm	B-s2, d0	Thickness 3 mm to 32 mm	11	230010301-3
24	Tube	Kaiflex LS/SK	FEF Tube self-adhesive	6 mm to 45 mm	Bl-s2, d0	Thickness ≤ 45 mm	9	230009439-3
25	Sheet	Kaiflex LS/SK	FEF Sheet one side with self-adhesive	3 mm to 32 mm	B-s2, d0	Thickness 3 mm to 32 mm	11	230010301-3
26	Sheet	Kaiflex ST	FEF Sheet	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12

No.	Product				Reaction to fire EN 13501-1			
	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report
27	Tape	Kaiflex ST	FEF Tape one side self-adhesive	3 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
28	Tube	Kaiflex ST	FEF Tube	6 mm to 50 mm	Bl-s3, d0	Thickness ≤ 25 mm	1	2300006364-3
29	Tube	Kaiflex ST	FEF Tube	6 mm to 50 mm	Bl-s3, d0	Thickness ≤ 50 mm	2	2628T13-3
30	Tube	Kaiflex ST	FEF Tube	51 mm to 60 mm	Cl-s2, d0	Density: 66 kg/m ³ ± 15 %	16	KB 3.1/19-054-2
31	Sheet	Kaiflex ST/SK	FEF Sheet one side self-adhesive	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
32	Tube	Kaiflex ST/SK	FEF Tube self-adhesive	6 mm to 50 mm	Bl-s3, d0	-	3	230008788-4
33	Sheet	Kaiflex STplus	FEF Sheet	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12

No.	Product				Reaction to fire EN 13501-1			
	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report
34	Tube	Kaiflex STplus	FEF Tube	3 mm to 50 mm	Bl-s3, d0	Thickness ≤ 25 mm	1	2300006364-3
35	Tube	Kaiflex STplus	FEF Tube	3 mm to 50 mm	Bl-s3, d0	Thickness ≤ 50 mm	2	2628T13-3
36	Sheet	Kaiflex STplus/SK	FEF Sheet self-adhesive	3 mm to 50 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
37	Tube	Kaiflex STplus/SK	FEF Tube self-adhesive	6 mm to 50 mm	Bl-s3, d0	-	3	230008788-4
38	Tube	Kaiflex EF/SK	FEF Tube self-adhesive	6 mm to 50 mm	Bl-s3, d0	-	3	230008788-4
39	Sheet	Kaiflex Connect	FEF Sheet	13 mm to 32 mm	B-s3, d0	Thickness 3 mm to 50 mm	4	230006354-7 230011607-10 230011607-11 230011607-12
40	Tube	Kaiflex ST s2	FEF Tube	6 mm to 45 mm	Bl-s2, d0	Thickness ≤ 45 mm	9	230009439-3

Product			Reaction to fire EN 13501-1					
No.	Form	Name	Description	Nominal thickness	Classification	Range	Fire Group	Classification report
41	Tube	Kaiflex ST s2	FEF Tube	46 mm to 60 mm	Cl-s2, d0	Thickness 46 mm to 60 mm	25	KB 3.1/21-068-1
42	Tube	Kaiflex ST s2 SK	FEF Tube self-adhesive	6 mm to 45 mm	Bl-s2, d0	Thickness ≤ 45 mm	9	230009439-3
43	Tube	Kaiflex HT s2	FEF Tube	6 mm to 40 mm	Cl-s2, d0	Thickness ≤ 40 mm Density: 50 kg/m ³ ± 15 %	22	KB 3.1/20-363-5
44	Tube	Kaiflex HT s2 SK	FEF Tube self-adhesive	6 mm to 40 mm	Cl-s2, d0	Thickness ≤ 40 mm Density: 50 kg/m ³ ± 15 %	22	KB 3.1/20-363-5
45	Sheet	Kaiflex DUCT ALU plus	FEF Sheet, self-adhesive, with one-side ALU cladding	6 mm to 30 mm	B-s3, d0	Thickness 6 mm to 30 mm	26	KB 3.1/22-176-2

Detail information about the insulation products are given in the classification reports

Gräfelting 14.12.2023



Dr. Andreas Schmeller M. Sc.