



kaiflex[®] **DUCT** *plus*

Effective insulation that's fibre free

Kaiflex Duct plus has been developed specifically for rectangular air-conditioning ductwork. Offering a closed cell structure and excellent thermal performance, Kaiflex Duct reduces energy loss and eliminates condensation.

- Extra wide sheet designed for ductwork
- Ease of application reduces cost and time of installation
- Reliable long term performance



Kaiflex Duct plus Technical Data

Material		Elastomeric foam based on synthetic rubber. Flexible Elastomeric Foam (FEF) in acc. to EN 14304	
Covering	Kaiflex Duct ALU	Aluminium	
Cell structure		Closed cell	
Colour	Kaiflex Duct plus Kaiflex Duct ALU	Black Silver	
Upper temperature limit		+70 °C	
Lower temperature limit		-40 °C	See remark (1)
Thermal conductivity	λ_0 at -10 °C at 0 °C at +10 °C	$0,036 + 7,2 \cdot 10^{-5} \vartheta + 1,2 \cdot 10^{-6} \vartheta^2$ $\leq 0,035 \text{ W/(m·K)}$ $\leq 0,036 \text{ W/(m·K)}$ $\leq 0,037 \text{ W/(m·K)}$	Test acc. to DIN EN 12667
Water vapour permeability	Moisture resistance factor μ	≥ 7.000 No separate vapour barrier required	Test acc. to DIN EN 13469 DIN EN 12086
Euroclass[°]	Kaiflex Duct plus Kaiflex Duct ALU	B-s3, d0 E	Test acc. to DIN EN 13501-1
Practical fire behaviour		Self-extinguishing, no drips, does not support flame spread	
Corrosion resistance		Satisfies requirements	Test acc. to DIN 1988
Insulation material index number acc. to AGI		36.07.03.05.04	
Health aspects		Dust & fibre free Heavy metal (e.g. cadmium, lead) and formaldehyde free	
Other certificates / approvals	pH-Value	CE marked Neutral	
Shelf life	Self-adhesive products	1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)
Toleranzen & Grenzabmaße		In acc. with DIN EN 14304:2013-04	
Outdoor applications		Application indoors only	

Remark (1) For temperatures below -40 °C please contact our Technical Support Team for advice.

[°] The Euroclass rating applies to metallic or solid mineral substrates.

Kaiflex Duct plus Sheet · continuous



Farbe: Schwarz

Insulation thickness mm	Sheet · continuous · self-adhesive 1,5 m width			
	Reference	Order No.	Length m	m ² /roll
6	DUCT+-06-SK-1,5	4010630 *	30	45,0
10	DUCT+-10-SK-1,5	4010632	20	30,0
12	DUCT+-12-SK-1,5	4010633 *	15	22,5
20	DUCT+-20-SK-1,5	4010635	10	15,0
30	DUCT+-30-SK-1,5	4010637	6	9,0

* No stock item, delivery time on request.

Kaiflex Duct ALU Sheet · continuous · ALU-pre-covered



Colour: Silver

Insulation thickness mm	Sheet · continuous · self-adhesive 1,5 m width			
	Reference	Order No.	Length m	m ² /roll
6	DUCT-ALU-06-SK-1,5	4010568 *	30	45,0
10	DUCT-ALU-10-SK-1,5	4010570	20	30,0
12	DUCT-ALU-12-SK-1,5	4010571	15	22,5
15	DUCT-ALU-15-SK-1,5	4010572 *	12	18,0
20	DUCT-ALU-20-SK-1,5	4010573	10	15,0
25	DUCT-ALU-25-SK-1,5	4010574 *	8	12,0
30	DUCT-ALU-30-SK-1,5	4010575	6	9,0

Insulation thickness mm	Sheet · continuous · self-adhesive 1 m width			
	Reference	Order No.	Length m	m ² /roll
6	DUCT-ALU-06-SK-1,0	4012772 *	18	18,0
8	DUCT-ALU-08-SK-1,0	4012773 *	14	14,0
10	DUCT-ALU-10-SK-1,0	4012774	10	10,0
12	DUCT-ALU-12-SK-1,0	4012775	8	8,0
15	DUCT-ALU-15-SK-1,0	4012776 *	7	7,0
20	DUCT-ALU-20-SK-1,0	4012777	6	6,0
25	DUCT-ALU-25-SK-1,0	4012778 *	4	4,0
30	DUCT-ALU-30-SK-1,0	4012779	3	3,0

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