

Kaiflex Duct System

Efficient insulation of ventilation systems

- Reliable insulation of ventilation systems with outside air intake
- Reliably prevents condensation and reduces the risk of corrosion under the insulation
- Good noise insulation effect
- Fiber-free: for high hygienic requirements
- The standard for construction projects with high economic requirements









Kaiflex Duct System

Technical Data

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Material type base			Elastomeric foam based on synthetic rubber, Flexible Elastomeric Foam (FEF)	
Material type Coating	Kaiflex Duct ALU		Aluminium	
	Kaiflex Duct ALU plus		Aluminium	
Cell structure			Closed cell	
Colour		Base material	Anthracite	
	Kaiflex Duct ALU	Coating	Silver	
	Kaiflex Duct ALU plus	Coating	Silver	
Max. service temperature			+70 °C	
Min. service temperature			-40 °C	see remark (1)
Thermal conductivity	λ _θ at -10 °C at 0 °C at +10 °C		0.036 + 7.2 · 10 · 5 · θ + 1.2 · 10 · 6 · θ · ≤0.035 W/(m·K) ≤0.036 W/(m·K) ≤0.037 W/(m·K)	Test acc. to DIN EN 12667
Water vapour permeability	Moisture resistance factor μ		≥7000 no separate vapour barrier required	Test acc. to DIN EN 12086
	Kaiflex Duct Kaiflex	Euroclass characteristics (2) Euroclass	Е	Test acc. to DIN EN 13501-1
Fire behaviour	Duct ALU	characteristics (2)	E	Test acc. to DIN EN 13501-1
	Kaiflex Duct plus	Euroclass characteristics (2)	B-s3, d0	Test acc. to DIN EN 13501-1
	Kaiflex Duct ALU plus	Euroclass characteristics (2)	B-s3, d0	Test acc. to DIN EN 13501-1
Paristanas ta	Corrosion		Self-extinguishing, no drips	la and with DIN 1000
Resistance to Insulation material index number	COTTOSION		Satisfies requirements	In acc. with DIN 1988
acc. to AGI			36.07.03.05.04	
Haalikh aamaaka			Fibre free: For high hygiene requirements	
Health aspects			Free from heavy metal (e.g. cadmium, lead) and formaldehyde	
Other properties	pH-Value		Neutral	
Other certificates/approvals			CE-compliant	
Storage	Self-adhesive products		The material must be installed within one year after delivery and proper storage. Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)	
Tolerances & limits			Satisfies requirements	In acc. with EN 14304:2009+A1:2013
Outdoor applications			Not suitable for outdoor installation.	

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

Remark (2) The Euroclass rating applies to metalic or solid mineral substrates.

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