



kaiflex[®] ST Selfseal

Designed for quick and easy installation.

Kaiflex ST Selfseal, insulation tubes with self-adhesive strips pre-applied, combine outstanding technical values with a streamlined application process that is as easy as peeling a self-adhesive release tape.

Kaiflex ST Selfseal can be installed in a fraction of the time whilst still maintaining the same energy saving performance and inherent resistance to microbial growth as standard Kaiflex ST. With a greatly simplified application procedure Kaiflex ST Selfseal can be installed even in extremely tight areas.

- Closed cell structure with in-built water vapour barrier
- Inherently resistant to corrosion
- Inherent resistance to microbial growth
- Ease of application reduces cost and time of installation



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Kaiflex ST Technical Specification

Material		NBR Foam	
Cell Structure		Closed Cell	
Colour		Black	
Upper Temperature Limit	Pipe Flat Surfaces	110 °C 85 °C	
Lower Temperature Limit		-50 °C -200 °C	see Remark (1)
Thermal Conductivity	at -30 °C at -20 °C at 0 °C at 10 °C at 20 °C at 40 °C at 70 °C	≤ 0.031 W/(m·K) ≤ 0.032 W/(m·K) ≤ 0.034 W/(m·K) ≤ 0.035 W/(m·K) ≤ 0.036 W/(m·K) ≤ 0.038 W/(m·K) ≤ 0.041 W/(m·K)	Test acc. to EN ISO 8497 EN 12667
Water Vapour Resistance	Moisture Resistance Factor μ	≥ 10000 No separate vapour barrier required	Test acc. to EN 13469 EN 12086
EuroClass	Tubes Sheet	B ₁ -s3,d0 B-s3,d0	Test acc. to EN 13501-1
Practical Fire Behaviour		Self-extinguishing, does not drip, does not spread flames	
Fire Performance		Class 0	see Remark (2)
Surface Spread of Flame		Class 1	Test acc. to BS 476-7
Fire Propagation	Total Index of Performance Sub Index 1	< 12 < 6	Test acc. to BS 476-6
Corrosion Resistance		Satisfies requirements	Test acc. to DIN 1988
Acoustic Performance		Consult table "Acoustic Performance"	
Environmental Aspects		ODP Zero GWP Zero	
Health Aspects		Dust & Fibre free Formaldehyde free Heavy metal (e.g. cadmium, lead) and formaldehyde free	
Resistance to	Mould and bacteria	no growth	In acc. with VDI 6022
Other Attributes	pH-Value	CE Marked Neutral	
Other Certificates/Approvals		UL-Approved FM approved DNV, Lloyd's Register, See BG	In acc. with UL94 V-0, HF-1
Shelf Life	Self-adhesive products	1 year	see Remark (3)
Tolerances		Consult table "Tolerances"	In acc. with EN 14304:2013-04
Outdoor Applications		Needs protection against UV-radiation	see Remark (4)

Remark (1): For temperatures between - 50°C and - 200°C please contact our technical service team for advice.

Remark (2): Test results for surface spread of flame and fire propagation meets Class 0 fire performance as defined in UK building regulations

Remark (3): Store in a dry room at a typical relative humidity (between 50% and 70%) and room temperature (between 0 °C and 35 °C).

Remark (4): To protect against UV-induced deterioration Kaiflex should be either painted using Kaifinish paint or covered with a suitable UV resistant cladding system within 3 days of being installed outdoors.

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Kaiflex ST Selfseal tubes

Colour: black · Length: 2 m · tube with self-adhesive strips

Copper pipe Cu			Iron & Steel pipe Fe			9 mm Insulation thickness			13 mm Insulation thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m / carton	Reference	Order No.	m / carton
1/2	5/8	15			16	ST-09x015-A	19909015	240	ST-13x015-A	19913015	154
3/4	7/8	22	1/2	21.3	23	ST-09x022-A	19909022	156	ST-13x022-A	19913022	110
1	1 1/8	28	3/4	26.9	29	ST-09x028-A	19909028	124	ST-13x028-A	19913028	86
1 1/4	1 3/8	35	1	33.7	36	ST-09x035-A	19909035	92	ST-13x035-A	19913035	76
1 1/2	1 5/8	42	1 1/4	42.4	43.5	ST-09x042-A	19909042	70	ST-13x042-A	19913042	56
			1 1/2	48.3	49.5	ST-09x048-A	19909048	60	ST-13x048-A	19913048	48
2	2 1/8	54			55	ST-09x054-A	19909054	60	ST-13x054-A	19913054	46
			2	60.3	61.5	ST-09x060-A	19909060	60	ST-13x060-A	19913060	40
2 1/2	2 5/8	67			68.5				ST-13x067-A	19913067	40
2 13/16	3	76.1	2 1/2	76.1	77				ST-13x076-A	19913076	34
			3	88.9	90.5				ST-13x089-A	19913089	30

Copper pipe Cu			Iron & Steel pipe Fe			19 mm Insulation thickness			25 mm Insulation thickness		
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Min ID mm	Reference	Order No.	m / carton	Reference	Order No.	m / carton
1/2	5/8	15			16	ST-19x015-A	19919015	86	ST-25x015-A ◊	19925015	60
3/4	7/8	22	1/2	21.3	23	ST-19x022-A	19919022	74	ST-25x022-A ◊	19925022	42
1	1 1/8	28	3/4	26.9	29	ST-19x028-A	19919028	58	ST-25x028-A ◊	19925028	40
1 1/4	1 3/8	35	1	33.7	36	ST-19x035-A	19919035	48	ST-25x035-A ◊	19925035	32
1 1/2	1 5/8	42	1 1/4	42.4	43.5	ST-19x042-A	19919042	40	ST-25x042-A ◊	19925042	24
			1 1/2	48.3	49.5	ST-19x048-A	19919048	30	ST-25x048-A ◊	19925048	24
2	2 1/8	54			55	ST-19x054-A	19919054	30	ST-25x054-A ◊	19925054	22
			2	60.3	61.5	ST-19x060-A	19919060	28	ST-25x060-A ◊	19925060	22
2 1/2	2 5/8	67			68.5	ST-19x067-A	19919067	28	ST-25x067-A ◊	19925067	18
2 13/16	3	76.1	2 1/2	76.1	77	ST-19x076-A	19919076	28	ST-25x076-A ◊	19925076	18
			3	88.9	90.5	ST-19x089-A	19919089	22	ST-25x089-A ◊	19925089	14

Kaiflex tape self-adhesive

Colour: black

Reference	Order No.	Insulation thickness mm	Width mm	Length m	rolls / carton
ST-TAPE	1896TAPE	3	50	15	12

- Items marked with ◊ delivery quoted on request.
- 32 mm tubes are available upon request

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Kaiflex STplus Selfseal 1.2m tubes

Colour: black · Length: 1.2 m

Copper pipe Cu			Iron & Steel pipe Fe		9 mm Insulation thickness				13 mm Insulation thickness			
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Reference	Order No.	m / carton	Length / carton	Reference	Order No.	m / carton	Length / carton
1/2	5/8	15			ST-09x015-1,2-A	51109015	158.4	132	ST-13x015-1,2-A	51113015	108.0	90
3/4	7/8	22	1/2	21.3	ST-09x022-1,2-A	51109022	112.8	94	ST-13x022-1,2-A	51113022	80.4	67
1	1 1/8	28	3/4	26.9	ST-09x028-1,2-A	51109028	90.0	75	ST-13x028-1,2-A	51113028	62.4	52
1 1/4	1 3/8	35	1	33.7	ST-09x035-1,2-A	51109035	69.6	58	ST-13x035-1,2-A	51113035	50.4	42
1 1/2	1 5/8	42	1 1/4	42.4	ST-09x042-1,2-A	51109042	57.6	48	ST-13x042-1,2-A	51113042	42.0	35
			1 1/2	48.3	ST-09x048-1,2-A	51109048	50.4	42	ST-13x048-1,2-A	51113048	38.4	32
2	2 1/8	54			ST-09x054-1,2-A	51109054	45.6	38	ST-13x054-1,2-A	51113054	36.0	30
			2	60.3	ST-09x060-1,2-A	51109060	43.2	36	ST-13x060-1,2-A	51113060	28.8	24
2 13/16	3	76.1	2 1/2	76.1					ST-13x076-1,2-A	51113076	27.6	23
			3	88.9					ST-13x089-1,2-A	51113089	24.0	20

Copper pipe Cu			Iron & Steel pipe Fe		19 mm Insulation thickness				25 mm Insulation thickness			
NB inch	Nom OD inch	Nom OD mm	NB inch	Nom OD mm	Reference	Order No.	m / carton	Length / carton	Reference	Order No.	m / carton	Length / carton
1/2	5/8	15			ST-19x015-1,2-A	51119015	67.2	56				
3/4	7/8	22	1/2	21.3	ST-19x022-1,2-A	51119022	49.2	41	ST-25x022-1,2-A ◊	51125022	30.0	25
1	1 1/8	28	3/4	26.9	ST-19x028-1,2-A	51119028	39.6	33	ST-25x028-1,2-A ◊	51125028	24.0	20
1 1/4	1 3/8	35	1	33.7	ST-19x035-1,2-A	51119035	34.8	29	ST-25x035-1,2-A ◊	51125035	21.6	18
1 1/2	1 5/8	42	1 1/4	42.4	ST-19x042-1,2-A	51119042	28.8	24	ST-25x042-1,2-A ◊	51125042	19.2	16
			1 1/2	48.3	ST-19x048-1,2-A	51119048	27.6	23	ST-25x048-1,2-A ◊	51125048	16.8	14
2	2 1/8	54			ST-19x054-1,2-A	51119054	21.6	18	ST-25x054-1,2-A ◊	51125054	16.8	14
			2	60.3	ST-19x060-1,2-A	51119060	21.6	18	ST-25x060-1,2-A ◊	51125060	15.6	13
2 13/16	3	76.1	2 1/2	76.1	ST-19x076-1,2-A	51119076	16.8	14	ST-25x076-1,2-A ◊	51125076	12.0	10
			3	88.9	ST-19x089-1,2-A	51119089	16.8	14	ST-25x089-1,2-A ◊	51125089	9.6	8

• Delivery quoted on request.