



L'ISOLANTE K-FLEX



QUALITY SYSTEM
UNI EN ISO 9001:2000
CERTIFIED BY CERTIQUALITY

www.kflex.com

K-FLEX ST



K-FLEX ST CLASS "0"



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K-Flex ST is a multi purpose flexible elastomeric thermal insulation with a build in vapour barrier and a closed cell structure, this make K-Flex insulation a high resistance to water vapour transmission which in turn enable the material to maintain a high level of energy conservation efficiency.

K-Flex ST is a dust and fibre free insulation that make it an ideal product for apartments, commercial buildings, industrial plants, oil & gas industry, marine and offshore applications.

K-Flex ST is the ideal choice for

- Refrigeration pipework
- Hot water piping system
- Ducting system
- Large pipe and tanks
- Chilled water piping system
- Drainage system

With 12 plants worldwide, K-Flex can uniquely provide On-Time Delivery, Consistent Product Quality and a Highly Competitive Price.

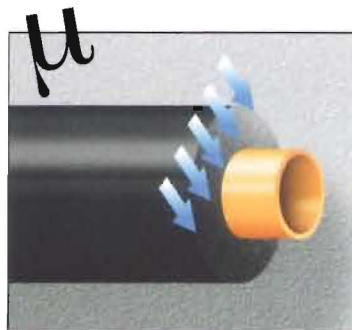
K-Flex ST... Our Competitive Advantages

- Wide range of tube and sheet with self adhesive & aluminium foil available.
- Light weight and flexible for easy and speedy installation with low maintenance resulting in time and cost savings.
- CFC and HCFC free with ozone depletion potential of zero.
- Non-corrosive, smoke and fire rated material.
- Low thermal conductivity and high μ factor for effective control of condensation and insulating against heat loss and heat gain.
- FM Approval - Provides Assurance to owners on the Quality Consistency of K-Flex products.



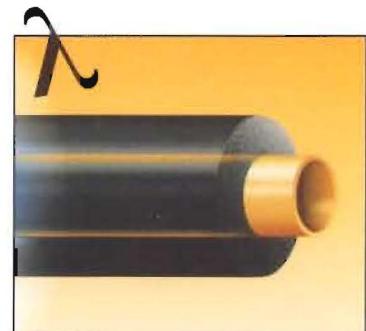
Low flame spread

When fire tested **K-Flex ST**, it does not generate flaming droplets, and has a low fire propagation index. These combined meet the fire performance requirement of class "0" as defined in Building Regulations. Further guarantee is given by supervision contracts with



High water vapour diffusion resistance

K-Flex ST closed cell elastomeric insulation has a high water vapour diffusion resistance factor μ , that minimizes water vapour penetration, giving excellent long term performance.



Very low thermal conductivity

K-Flex ST thermal conductivity is λ $0^{\circ}\text{C} = 0.033\text{W}/(\text{m}\cdot\text{K})$. The thermal conductivity coefficient is the most important factor in calculation focused on energy saving.



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Technical Specification For K-Flex ST

Temperature Range	-200°C to +116°C*
Fire performance (surface spread of flame, BS476 Part 7 1997)	Class 1
Fire propagation (BS476 Part 6 1989)	Class 0
- Total Index of performance (I)	Less than 12
- Sub Index (i)	Less than 6
Thermal Conductivity EN 12667 (DIN 52612)	$\lambda=0.036 \text{ W/(m.k) @ } +20^\circ\text{C}$ $\lambda=0.033 \text{ W/(m.k) @ } 0^\circ\text{C}$ $\lambda=0.028 \text{ W/(m.k) @ } -50^\circ\text{C}$
Water Vapour Diffusion Resistance Factor EN 12086 (DIN 52615)	$\mu \geq 10,000$
Closed Cell	>95%
Corrosion Risk DIN 1988/7	pH neutral
Noise Reduction	Max 35dB (A)
Resistance to Oil & Gas	Good
Odour	Negligible
Ecological Data	Diphenyloxyde Free, HFCKW – FCKW Free Formaldehyde – Cd Free

* For applications at a temperature lower than -50°C, please contact our sales team. Outdoor applications should be painted with K-Flex finish paint to the recommended thickness. Two or more coats may be required.

K-Flex ST Tube Size Range: 2 metres

Copper Pipe		Iron Pipe		6 • 1/4"		9 • 3/8"		13 • 1/2"		19 • 3/4"		25 • 1"		32 • 1 • 1/4"	
OC Inches	Ø OD mm	I.P.S Inches	Ø OD mm	size	m/box	size	m/box	size	m/box	size	m/box	size	m/box	size	m/box
1/4"	6					9 x 06	288	13 x 6	160	19 x 6	100				
3/8"	10	1/6"	10.2			9 x 10	240	13 x 10	152	19 x 10	80	25 x 10	60		
1/2"	12					9 x 13	180	13 x 13	128	19 x 13	72	25 x 13	54		
5/8"	15	1/4"	13.5	6 x 16	266	9 x 16	168	13 x 16	112	19 x 16	60	25 x 16	50		
3/4"	20			6 x 19	180	9 x 19	136	13 x 19	104	19 x 19	60	25 x 19	40	32 x 19	32
7/8"	22	1/2"	21.3	6 x 22	180	9 x 22	128	13 x 22	98	19 x 22	60	25 x 22	38	32 x 22	24
1"	25			6 x 25	152	9 x 25	108	13 x 25	80	19 x 25	50	25 x 25	40	32 x 25	24
1 • 1/8"	28	3/4"	26.9	6 x 28	130	9 x 28	98	13 x 28	78	19 x 28	48	25 x 28	32	32 x 28	24
1 • 1/4"	32					9 x 32	76	13 x 32	70	19 x 32	40	25 x 32	24		
1 • 3/8"	35	1"	33.7	6 x 35	100	9 x 35	76	13 x 35	58	19 x 35	36	25 x 35	24	32 x 35	18
1 • 5/8"	42	1 • 1/4"	42.4	6 x 42	90	9 x 42	60	13 x 42	48	19 x 42	32	25 x 42	22	32 x 42	16
1 • 7/8"	48	1 • 1/2"	48.3			9 x 48	50	13 x 48	40	19 x 48	24	25 x 48	18	32 x 48	14
2"	51					9 x 51	48	13 x 51	38	19 x 51	24	25 x 51	16		
2 • 1/8"	54					9 x 54	46	13 x 54	34	19 x 54	24	25 x 54	16	32 x 54	12
2 • 3/8"	60	2"	60.3			9 x 60	46	13 x 60	32	19 x 60	22	25 x 60	12	32 x 60	10
2 • 5/8"	67					9 x 67	46	13 x 67	26	19 x 67	18	25 x 67	12		
2 • 7/8"	73					9 x 73	40	13 x 73	26	19 x 73	18	25 x 73	10		
3"	76	2 • 1/2"	76.1			9 x 76	40	13 x 76	26	19 x 76	18	25 x 76	10	32 x 76	8
3 • 1/8"	79					9 x 79	36	13 x 79	24	19 x 79	14	25 x 79	10		
3 • 1/2"	89	3"	88.9			9 x 89	36	13 x 89	24	19 x 89	14	25 x 89	8	32 x 89	8
4 • 1/2"	114	4"	114.3			9 x 114	22	13 x 114	16	19 x 114	12	25 x 114	6	32 x 114	6

38-50 mm thickness tubes available upon request.

K-Flex ST Sheet rolls



Type	Thickness		Sheet 1.14 metre wide	
	mm	inches	format	m ² /box
PL / RO 06	6	1/4"	30 x 1.14	34.20
PL / RO 10	10	3/8"	20 x 1.14	22.80
PL / RO 13	13	1/2"	14 x 1.14	15.96
PL / RO 19	19	3/4"	10 x 1.14	11.40
PL / RO 25	25	1"	8 x 1.14	9.12
PL / RO 32	32	1 • 1/4"	6 x 1.14	6.84



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K-FLEX ST tube is available in 2 metres length. In sheet form, K-FLEX ST is available in roll or pre-cut sheet. All sheet material is available with or without self adhesive and/or self adhesive & Aluminium foil.

ACCESSORIES

Self Adhesive Tapes



Pipe Support



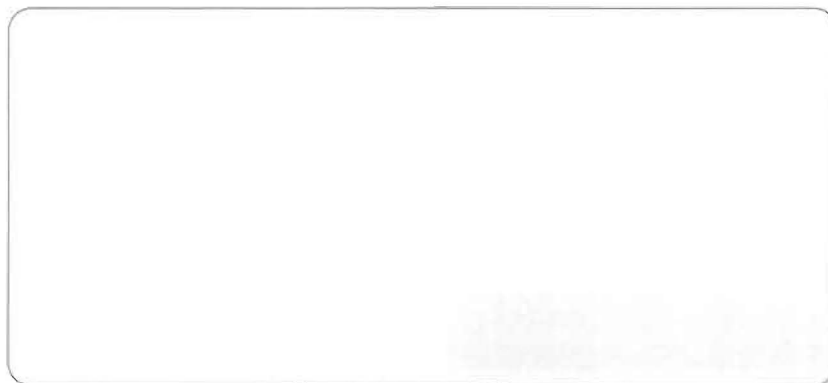
K 996 Glue



Aluminium Tape



Distributor



HEADQUARTER :
L'ISOLANTE K-FLEX
Via Don Locatelli
35 - 20040 Roncello
(Milano) Italy.