



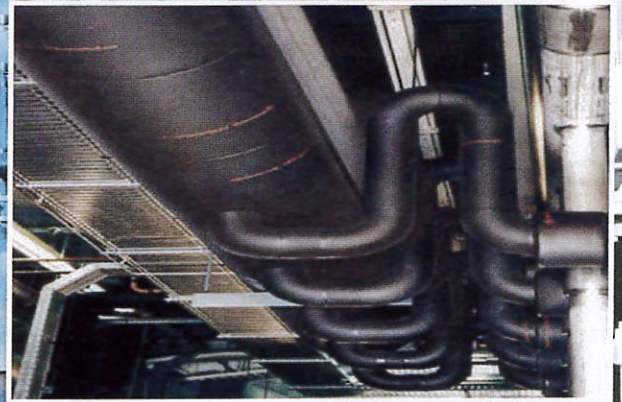
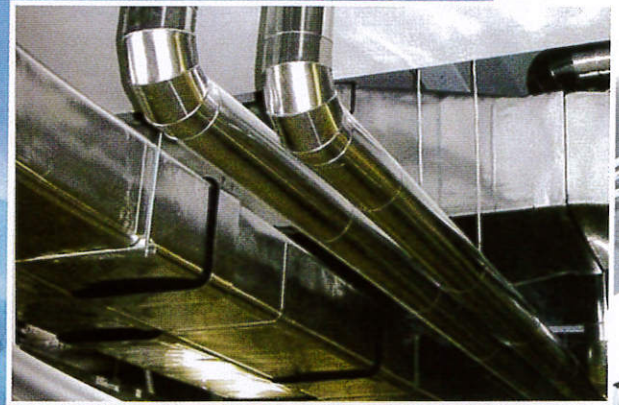
L'ISOLANTE K-FLEX



QUALITY SYSTEM
UNI EN ISO 9001:2000
CERTIFIED BY CERTIQUALITY

www.kflex.com

K-FLEX ST



K-FLEX ST CLASS "0"

8.7114
Tms. 02-11111111
Line: @chopet@chopet.com
FM APPROVED



L'ISOLANTE K-FLEX

K-FLEX ST Class "O"

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.

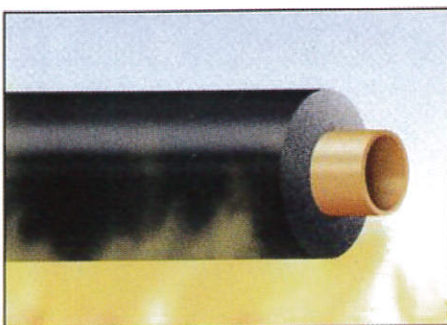
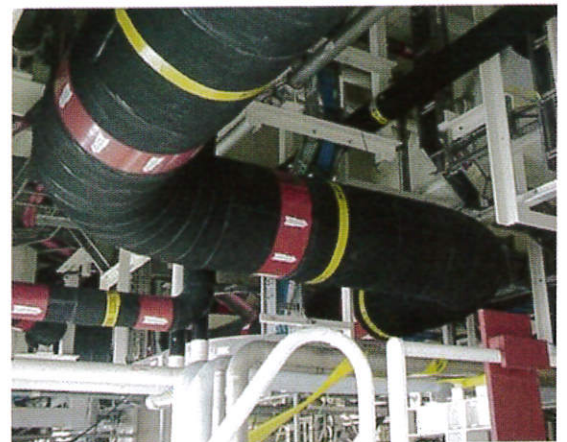
K-Flex ST is the ideal choice for

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

With 10 plants worldwide, K-Flex can uniquely provide On-Time Delivery, Consistent Product Quality and a Highly Competitive Price.

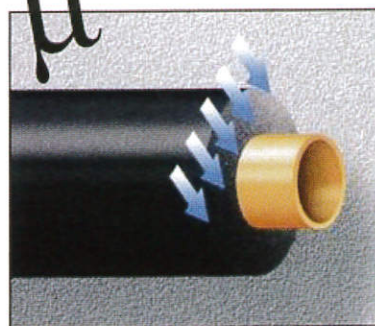
K-FLEX ST... Our Competitive Advantages

- 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 "O" as defined in Building Regulations. Further guarantee is given by supervision contracts with independent European laboratories.



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

Line: 02-115-9000
@chpanich.com



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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) - Total Index of performance (1) - Sub Index (i)	Class O Less than 12 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 35 dB (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 Kflex 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"	
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
1/4"	6					9x 6	288	13x 6	160	19x 6	100		
3/8"	10	1/6"	10.2			9x 10	240	13x 10	152	19x 10	98	25x 10	60
1/2"	12					9x 13	180	13x 13	128	19x 13	88	25x 13	50
5/8"	15	1/4"	13.5	6 x 16	266	9x 16	168	13x 16	112	19x 16	78	25x 16	50
3/4"	20			6 x 19	180	9x 19	171	13x 19	104	19x 19	66	25x 19	40
7/8"	22	1/2"	21.3	6 x 22	180	9x 22	128	13x 22	98	19x 22	64	25x 22	38
1"	25			6 x 25	152	9x 25	108	13x 25	80	19x 25	50	25x 25	40
1•1/8"	28	3/4"	26.9	6 x 28	130	9x 28	98	13x 28	78	19x 28	48	25x 28	32
1•3/8"	35	1"	33.7	6 x 35	100	9x 35	76	13x 35	58	19x 35	36	25x 35	24
1•5/8"	42	1•1/4"	42.4	6 x 42	90	9x 42	60	13x 42	48	19x 42	32	25x 42	22
		1•1/2"	48.3			9x 48	50	13x 48	40	19x 48	24	25x 48	18
2•1/8"	54					9x 54	46	13x 54	34	19x 54	24	25x 54	16
2•3/8"	60	2"	60.3			9x 60	46	13x 60	32	19x 60	22	25x 60	18
2•5/8"	67									19x 67	18	25x 67	18
2•7/8"	73	2•1/2"	76.1					13x 73	26	19x 73	18	25x 76	10
		3"	88.9					13x 89	24	19x 89	14	25x 89	8
		4"	114.3					13x 114	16	19x 114	12	25x 114	6

38-50 mm thickness tubes available upon request.

K-Flex ST Sheet rolls

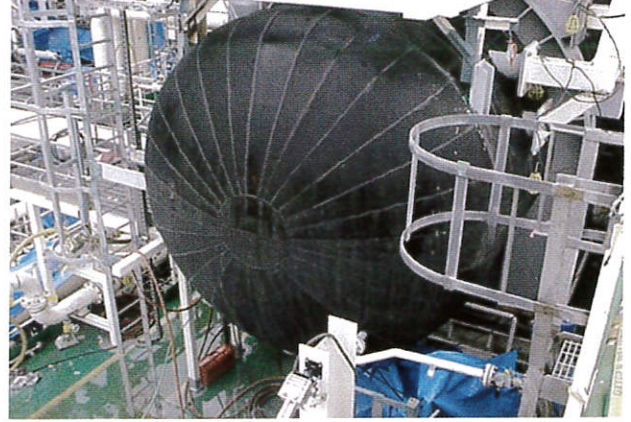
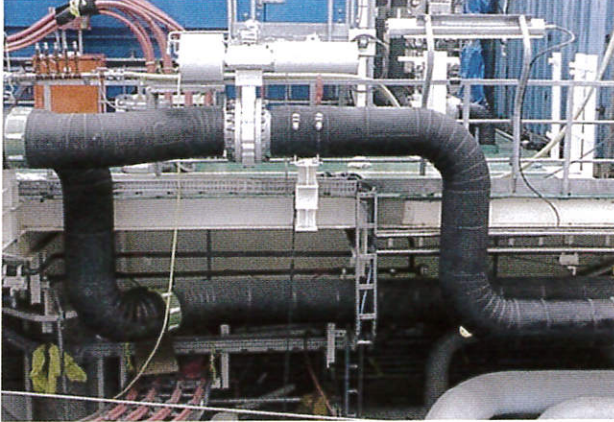


Self adhesive sheets available in all sizes.

Type	Thickness		Sheet 1 metre wide		Sheet 1.5 metre wide	
	mm	inches	format	M2/box	format	M2/box
PL/RO 06	6	1/4"	30x1	30	30x1.5	45
PL/RO 10	10	3/8"	20x1	20	20x1.5	30
PL/RO 13	13	1/2"	14x1	14	14x1.5	21
PL/RO 16	16	5/8"	12x1	12	12x1.5	18
PL/RO 19	19	3/4"	10x1	10	10x1.5	15
PL/RO 25	25	1"	8x1	8	8x1.5	12
PL/RO 32	32	1•1/4"	6x1	6	6x1.5	9
PL/RO 40	40	1•1/2"	4x1	4	4x1.5	6
PL/RO 50	50	2"	4x1	4	4x1.5	6



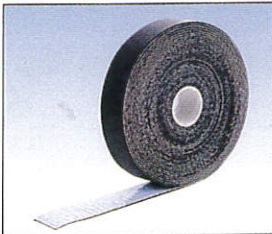
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K-FLEX ST tube is available in 2 metres length. In sheet form, K-FLEX ST is available in roll or pre-cut sheet. All sheet material is available with or without self adhesive and/or self adhesive & Aluminium foil.

ACCESSORIES

Self Adhesive Tapes



Pipe Support



K 414 Glue



Aluminium Tape



Distributor



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K-FLEX

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