

K-FLEX EC

CLOSED CELL ELASTOMERIC INSULATION

*Worldwide
Insulation*



CFC free
HCFC free
Ozone depletion
potential of zero



*Quality insulation for refrigeration, air conditioning,
heating and plumbing applications.*



L'ISOLANTE K-FLEX

K-FLEX EC



Low flame spread

When fire tested *K-FLEX EC* does not generate flaming droplets and a low flame spread achieving a fire performance of Class 1 to BS 476 Part 7 1987. Further guarantee is given by supervision contracts.

CORROSION PROBLEMS OF COPPER AND STEEL PIPES

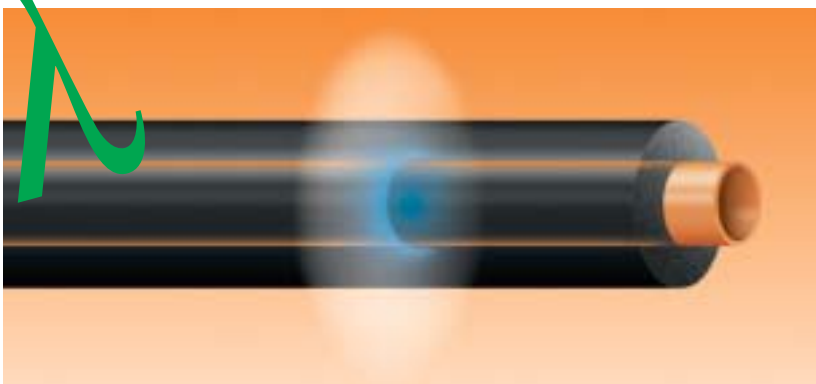
DIN 1988/7 (standard for drinking water pipes installation and for avoiding corrosion damage and scale formation) "Pipes in Buildings", December 1988 Edition.

"Insulating materials for copper pipes must be free from nitrite and can contain no more than 0,2% of ammonia. Insulating materials for stainless steel pipes must contain no more than 0,05% of water soluble chloride ions".



High water vapour diffusion resistance

K-FLEX EC 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 EC thermal conductivity is λ 20 °C = 0,037 W/(m·K) and λ 40 °C = 0,040 W/(m·K). The thermal conductivity coefficient is the most important factor in calculation focused on energy saving.

K-FLEX EC



K-FLEX EC Tube, size range: length

Copper pipe		Iron pipe		6 • 1/4"	
OD inches	Ø OD mm	I.P.S. inches	Ø OD mm	size	m/box
1/4"	6			6 x 06	496
5/16"	8			6 x 08	432
3/8"	10	1/8"	10,2	6 x 10	364
1/2"	12			6 x 12	316
5/8"	15	1/4"	13,5	6 x 15	266
	18			6 x 18	220
3/4"	20			6 x 20	180
7/8"	22	1/2"	21,3	6 x 22	180
1"	25			6 x 25	152
1 1/8"	28	3/4"	26,9	6 x 28	130
	30			6 x 30	112
1 3/8"	35	1"	33,7	6 x 35	100
1 5/8"	42	1 1/4"	42,4	6 x 42	90
		1 1/2"	48,3		
2 1/8"	54				
2 3/8"	60	2"	60,3		
	64		63,5		
2 5/8"	67				
	70				
2 7/8"	76	2 1/2"	76,1		
3 1/8"	80				
		3"	88,9		
3 5/8"	92				
	102				
4 1/8"	105				
		4"	114,3		
	125				
	133				
		5"	140		
	168	6"	168		

K-FLEX ST Sheet rolls



Self adhesive sheets available in all sizes.

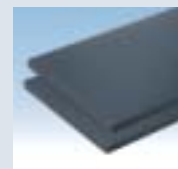
Type	Thickness		Sheet 1 metre wide		Sheet 1,5 metre wide	
	mm	inches	format	m ² /box	format	m ² /box
PL / RO 06	6	1/4"	30 x 1	30	30 x 1,5	45
PL / RO 10	10	3/8"	20 x 1	20	20 x 1,5	30
PL / RO 13	13	1/2"	14 x 1	14	14 x 1,5	21
PL / RO 16	16	5/8"	12 x 1	12	12 x 1,5	18
PL / RO 19	19	3/4"	10 x 1	10	10 x 1,5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

2 metres

9 · 3/8"		13 · 1/2"		19 · 3/4"		25 · 1"	
size	m/box	size	m/box	size	m/box	size	m/box
9 x 06	352	13 x 6	200	19 x 6	100		
9 x 08	300						
9 x 10	266	13 x 10	172	19 x 10	98		
9 x 12	234	13 x 12	162	19 x 12	88	25 x 12	54
9 x 15	192	13 x 15	136	19 x 15	78	25 x 15	52
9 x 18	166	13 x 18	118	19 x 18	72	25 x 18	50
9 x 20	136	13 x 20	98	19 x 20	66	25 x 20	42
9 x 22	136	13 x 22	98	19 x 22	64	25 x 22	42
9 x 25	108	13 x 25	80	19 x 25	50		
9 x 28	98	13 x 28	78	19 x 28	48	25 x 28	40
9 x 30	92	13 x 30	72	19 x 30	42		
9 x 35	76	13 x 35	58	19 x 35	36	25 x 35	24
9 x 42	60	13 x 42	48	19 x 42	32	25 x 42	22
9 x 48	50	13 x 48	40	19 x 48	24	25 x 48	18
9 x 54	46	13 x 54	34	19 x 54	24	25 x 54	16
9 x 60	46	13 x 60	32	19 x 60	22	25 x 60	12
9 x 64	46	13 x 64	30	19 x 64	18	25 x 64	12
9 x 67	46	13 x 67	26	19 x 67	18	25 x 67	12
9 x 70	40	13 x 70	26	19 x 70	18	25 x 70	12
9 x 76	40	13 x 76	26	19 x 76	18	25 x 76	10
9 x 80	36	13 x 80	24	19 x 80	14	25 x 80	8
9 x 89	36	13 x 89	24	19 x 89	14	25 x 89	8
		13 x 92	20	19 x 92	14	25 x 92	8
9 x 102	22	13 x 102	16	19 x 102	14		
		13 x 105	16	19 x 105	12	25 x 105	6
9 x 114	22	13 x 114	16	19 x 114	12	25 x 114	6
		13 x 125	12	19 x 125	10		
		13 x 133	12	19 x 133	8		
9 x 140	16	13 x 140	12	19 x 140	8	25 x 140	4
				19 x 168	6	25 x 168	4

K-FLEX ST Sheet flat

Type	Thickness		2 m x 1 m sheet	2 m x 0,5 m sheet
	mm	inches	m ² /box	m ² /box
PL 06	6	1/4"	48	24
PL 10	10	3/8"	32	16
PL 13	13	1/2"	24	12
PL 16	16	5/8"	20	10
PL 19	19	3/4"	16	8
PL 25	25	1"	12	6
PL 32	32	1 1/4"	10	5
PL40	40	1 1/2"	8	4
PL 50	50	2"	6	3



K-FLEX EC

WORLDWIDE INSULATION

K-FLEX ACCESSORIES



Self adhesive tapes

Length	Width	Thickness	Rolls/Carton
10 m	50 mm	3 mm	24
15 m	50 mm	3 mm	12

K 414 glue



Volume can/ litres	Cans/Carton
0,5	20
0,8	20
2,6	6



Glue thinner

Volume can/litre	1
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Finish paint

Volume can/litres	2,5
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Knives

Complete knife
with 5 spare blades



Adhesive PVC tape

Size	Quantity/Carton
38 mm x 25 m	48



Pipe support

All sizes available upon request.
See pipe support catalogue.



Aluminium tape (K-FLEX Alu AA 130)

Width	Length	Pieces/Box
50 mm	50 m	24 rolls
75 mm	50 m	16 rolls
100 mm	50 m	12 rolls

K-FLEX EC

WORLDWIDE INSULATION

K-FLEX EC closed cell elastomeric - thermal insulation

Data sheet

Thermal conductivity DIN 52613 - DIN 52612 BS 874 part 2 1986	λ -20 °C = 0,037 W/(m·K) λ +40 °C = 0,040 W/(m·K)	Resistance to oil and greases	Good
		Resistance to U.V. and weather	Good
Temperature range	pipes -45 °C to +116 °C sheets -45 °C to + 85 °C	Reaction to fire	
Water vapour diffusion resistance factor DIN 52615 ISO 9346	μ 3000	Ignitability: BS 476 Part 5 1979	Class P
		Surface spread of flame: BS 476 Part 7 1987	Class 1
Water vapour permeability	0.21 μ gm/N.h.	Italy CSE RF 3/77 France	Class 1 supervised M1 - NF supervised
Water absorption % by volume after 28 days	< 1.1	DIN 1988/7 corrosion risk	Meet limit values
Flexibility	Excellent	Noise reduction DIN 4109	Up to 32 db (A)
Ozone resistance	Good	Density	55 to 70 kg/m ³ 3 lb/ft ³ to 4 lb/ft ³
Odor	Negligible	% closed cells	> 90



K-FLEX EC 03/01 - Engl.

SISTEMA DI GESTIONE
QUALITÀ
UNI EN ISO 9001:2000
CERTIFICATO DA CERTIQUALITY



L'ISOLANTE K-FLEX

Via Don Locatelli, 35 - 20040 Roncello (MI) Italy
Tel: +39.039.68241 (operator)
Fax: +39.039.6824560
<http://www.lisolantek-flex.com>
e-mail: international@isolante.com
italysales@isolante.com

Dealer