



MARCH 2019

K-FLEX[®] SRC

**Halogen
Free**

**K-FLEX[®]
SRC ECO
B_L-s1,d0**



Halogen Free

**K-FLEX® SRC ECO
B_L-s1,d0**

GENERAL INFORMATION

HALOGEN FREE Insulation with reduced smoke emission.

DESCRIPTION

K-FLEX® SRC ECO is an insulating product comprising a layer of closed cell elastomeric foam and a protective jacket. The special **K-FLEX® SRC ECO** configuration offers a unique product which, in case of fire, retards the emission of smoke and fumes which are also free of hydrohalic acids and organochlorine compounds.

APPLICATIONS

K-FLEX® SRC ECO is ideal for thermal and acoustic insulation of walls and technical installations where low smoke emission is required in case of fire.

CLASSIFICATION

K-FLEX® SRC ECO has been tested according to the current European standard EN 13501-1, for fire classification of construction products, and is classified B_L-s1, d0/ B-s2, d0.

The main advantages of **K-FLEX® SRC ECO** are:

- ▶ No halogen in the composition or expansion of the elastomeric material.
- ▶ No smoke containing hydrohalic acids and organochlorine compounds in case of fire.
- ▶ Retarded ignition of the flame.
- ▶ Retarded flame propagation.
- ▶ Reduced emission of smoke.
- ▶ Higher mechanical properties with respect to an uncoated elastomeric insulation foam.
- ▶ Quick and easy installation.

TECHNICAL DATA

K-FLEX® SRC ECO ▶		
Property ▼	Value ▼	Test method ▼
Temperature range	From -40 °C* to +85 °C	EN 14706
Thermal conductivity λ W/(m·K)	-20 °C = 0,036 0 °C = 0,038 +20 °C = 0,040 +40 °C = 0,042	EN 13787 EN 12667
Corrosion prevention	pH neutral (7±0,5)	EN 13468
Water permeability	WS < 0.1%	EN 13472
Permeability μ	≥ 3000	EN 12086
Fire rating	Tube: B _L -s1,d0 Sheet: B-s2,d0	EN 13501-1
Leacheable chloride	< 500 ppm	EN 13468
Ecological data	Without halogens, PVC, CFCs, HCFCs and Formaldehyde	

* For applications below -40 °C please contact our Technical Department

K-FLEX® reserves the right to change data and technical requirements without notice.



K-FLEX® SRC ECO ▸ TUBES
INSULATION TUBES: Length 1 metre

COPPER PIPE		IRON PIPE			THICKNESS 9 mm		
External ∅ mm	Nom. ∅ DN	Inches	External ∅ mm	Nom. ∅ DN	Dimension (mm)	Code	m/Ct.
14/15	10/-	1/4"	13,5	8	9x15	09015214382SRC	99
18	15	3/8"	17,2	10	9x18	09018214382SRC	81
22	20	1/2"	21,3	15	9x22	09022214382SRC	71
28	25	3/4"	26,9	20	9x28	09028214382SRC	52
35	32	1"	33,7	25	9x35	09035214382SRC	39
42	40	1+1/4"	42,4	32	9x42	09042214382SRC	32
		1+1/2"	48,3	40	9x48	09048214382SRC	28
54	50		54		9x54	09054214382SRC	24
		2"	60,3	50	9x60	09060214382SRC	24
76,1	65	2+1/2"	76,1	65	9x76	09076214382SRC	20
88,9	80	3"	88,9	80	9x89	09089214382SRC	13
		3+1/2"	101,6/104,3		9x102	09102214382SRC	10
					9x108	09108214382SRC	10
114	100	4"	114,3	100	9x114	09114214382SRC	8
			125		9x125	09125214382SRC	8
133	125		133		9x133	09133214382SRC	6
					9x140	09140214382SRC	6
159	150		160		9x160	09160214382SRC	4

INSULATION TUBES: Length 1 metre

COPPER PIPE		IRON PIPE			THICKNESS 13 mm		
External ∅ mm	Nom. ∅ DN	Inches	External ∅ mm	Nom. ∅ DN	Dimension (mm)	Code	m/Ct.
14/15	10/-	1/4"	13,5	8	13x15	13015214382SRC	73
18	15	3/8"	17,2	10	13x18	13018214382SRC	62
22	20	1/2"	21,3	15	13x22	13022214382SRC	58
28	25	3/4"	26,9	20	13x28	13028214382SRC	43
35	32	1"	33,7	25	13x35	13035214382SRC	31
42	40	1+1/4"	42,4	32	13x42	13042214382SRC	27
		1+1/2"	48,3	40	13x48	13048214382SRC	21
54	50		54		13x54	13054214382SRC	20
		2"	60,3	50	13x60	13060214382SRC	18
76,1	65	2+1/2"	76,1	65	13x76	13076214382SRC	12
88,9	80	3"	88,9	80	13x89	13089214382SRC	12
		3+1/2"	101,6/104,3		13x102	13102214382SRC	9
					13x108	13108214382SRC	8
114	100	4"	114,3	100	13x114	13114214382SRC	8
			125		13x125	13125214382SRC	7
133	125		133		13x133	13133214382SRC	6
					13x140	13140214382SRC	6
159	150		160		13x160	13160214382SRC	4

K-FLEX® SRC ECO ▸ TUBES							
INSULATION TUBES: Length 1 metre							
COPPER PIPE		IRON PIPE			THICKNESS 19 mm		
External ∅ mm	Nom. ∅ DN	Inches	External ∅ mm	Nom. ∅ DN	Dimension (mm)	Code	m/Ct.
14/15	10/-	1/4"	13,5	8	19x15	19015214382SRC	47
18	15	3/8"	17,2	10	19x18	19018214382SRC	42
22	20	1/2"	21,3	15	19x22	19022214382SRC	33
28	25	3/4"	26,9	20	19x28	19028214382SRC	27
35	32	1"	33,7	25	19x35	19035214382SRC	21
42	40	1+1/4"	42,4	32	19x42	19042214382SRC	20
		1+1/2"	48,3	40	19x48	19048214382SRC	16
54	50		54		19x54	19054214382SRC	15
		2"	60,3	50	19x60	19060214382SRC	15
76,1	65	2+1/2"	76,1	65	19x76	19076214382SRC	11
88,9	80	3"	88,9	80	19x89	19089214382SRC	9
		3+1/2"	101,6/104,3		19x102	19102214382SRC	7
108	100		108		19x108	19108214382SRC	7
114	100	4"	114,3	100	19x114	19114214382SRC	6
			125		19x125	19125214382SRC	5
133	125		133		19x133	19133214382SRC	4
					19x140	19140214382SRC	4
159	150		160		19x160	19160214382SRC	3
INSULATION TUBES: Length 1 metre							
COPPER PIPE		IRON PIPE			THICKNESS 25 mm		
External ∅ mm	Nom. ∅ DN	Inches	External ∅ mm	Nom. ∅ DN	Dimension (mm)	Code	m/Ct.
18	15	3/8"	17,2	10	25x18	25018214382SRC	30
22	20	1/2"	21,3	15	25x22	25022214382SRC	27
28	25	3/4"	26,9	20	25x28	25028214382SRC	22
35	32	1"	33,7	25	25x35	25035214382SRC	16
42	40	1+1/4"	42,4	32	25x42	25042214382SRC	15
		1+1/2"	48,3	40	25x48	25048214382SRC	15
54	50		54		25x54	25054214382SRC	11
		2"	60,3	50	25x60	25060214382SRC	9
76,1	65	2+1/2"	76,1	65	25x76	25076214382SRC	8
88,9	80	3"	88,9	80	25x89	25089214382SRC	6
		3+1/2"	101,6/104,3		25x102	25102214382SRC	4
108	100		108		25x108	25108214382SRC	3
114	100	4"	114,3	100	25x114	25114214382SRC	3
			125		25x125	25125214382SRC	3
133	125		133		25x133	25133214382SRC	2
					25x140	25140214382SRC	2
159	150		160		25x160	25160214382SRC	2

K-FLEX® SRC ECO ▶ SHEETS
K-FLEX® SRC ECO SHEETS IN ROLLS

		HEIGHT 1 METER		HEIGHT 1 METER - ADHESIVE	
Thickness ▼ (mm) ▼	Width ▼ (mm) ▼	Code ▼	Price ▼ €/m² ▼	Code ▼	m²/Ct. ▼
6	1000	80006210182SRC	46,93	80106210182SRC	15
9	1000	80009210182SRC	52,35	80109210182SRC	10
13	1000	80013210182SRC	66,49	80113210182SRC	8
19	1000	80019210182SRC	84,10	80119210182SRC	5
25	1000	80025210182SRC	111,68	80125210182SRC	4

Tolerance for K-FLEX® SRC ECO Sheets: Length: + 5% - 1,5%
 Width: +/- 2%
 Thickness: 6 mm +/- 1 mm; da 9 a 19 mm +/- 1,5 mm

ACCESSORIES

For correct insulation K-FLEX® offers a complete range of accessories specific to each product. K-FLEX® SRC has foil and tapes (adhesive and not) for the correct installation of sheets and tubes, the typical finishing of the product remains unchanged on the whole isolated pipeline.

The technical characteristics of the foil and the tapes maintain the performance of the insulating material unaltered.

K-FLEX® SRC ▶ FOIL

Description ▼	Thickness ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
without adhesive	0.22 mm	1000 mm	10 m	1 roll	85LA0L10100SRC
with adhesive	0.22 mm	1000 mm	10 m	1 roll	85LAAL10100SRC

K-FLEX® SRC ▶ ADHESIVE TAPE

Description ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
ADHESIVE FOIL TAPE SRC 50	50 mm	25 m	4 rolls	85NSAL25050SRC
ADHESIVE FOIL TAPE SRC 75	75 mm	25 m	4 rolls	85NSAL25075SRC
ADHESIVE FOIL TAPE SRC 100	100 mm	25 m	4 rolls	85NSAL25100SRC

K-FLEX® SRC ▶ TAPE

Description ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
FOIL TAPE SRC 50	50 mm	25 m	4 rolls	85NS0L25050SRC
FOIL TAPE SRC 75	75 mm	25 m	4 rolls	85NS0L25075SRC
FOIL TAPE SRC 100	100 mm	25 m	4 rolls	85NS0L25100SRC

K-FLEX® SRC ECO ▶ ANTICONDENSATION TAPE

Thickness ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
3 mm	50 mm	15 m	12 rolls	85NS3E15050BSRC



Excellent
thermal
conductivity
values

K-FLEX® SRC
B-s2,d0
μ10.000

GENERAL INFORMATION

Insulation sheets with reduced smoke emission.

DESCRIPTION

K-FLEX® SRC's innovative design combines the high thermal performance of a rubber based flexible elastomeric foam with a reduced smoke emission coating.

APPLICATIONS

K-FLEX® SRC sheet is ideal for thermal insulation of pipes, ducting and technical systems in public buildings.

CLASSIFICATION

K-FLEX® SRC sheet has been tested according to the current European Standard EN 13501-1 for fire classification of construction products, and is classified B-s2, d0.

The main advantages of **K-FLEX® SRC** are:

- ▶ Retarded ignition of the flame
- ▶ Reduced flame propagation.
- ▶ Low thermal conductivity.
- ▶ High resistance to water vapour diffusion.
- ▶ Wide range of operating temperatures.
- ▶ Consistent performance.
- ▶ Higher mechanical properties with respect to uncoated elastomeric insulation.
- ▶ Quick and easy installation.

TECHNICAL DATA

K-FLEX® SRC ▶		
Property ▼	Value ▼	Test method ▼
Temperature range	From -40 °C* to +85 °C	EN 14706
Thermal conductivity λ W/(m•K)	-20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	EN 13787 EN 12667
Corrosion prevention	pH neutral (7±0,5)	EN 13468
Water permeability	WS < 0.1%	EN 13472
Permeability μ	≥ 10000	EN 12086
Fire rating	B-s2,d0	EN 13501-1
Leacheable chloride	< 500 ppm	EN 13468
Ecological data	Without CFCs and HCFCs	

* For applications below -40 °C please contact our Technical Department

K-FLEX® reserves the right to change data and technical requirements without notice.



K-FLEX® SRC ▶ SHEETS
K-FLEX® SRC SHEETS IN ROLLS

		HEIGHT 1 METER		HEIGHT 1 METER - ADHESIVE	
Thickness ▼ (mm) ▼	Width ▼ (mm) ▼	Code ▼	m²/Ct. ▼	Code ▼	m²/Ct. ▼
6	1000	80006210103SRC	15	80106210103SRC	15
9	1000	80009210103SRC	10	80109210103SRC	10
13	1000	80013210103SRC	8	80113210103SRC	8
19	1000	80019210103SRC	5	80119210103SRC	5
		HEIGHT 1,5 METERS - ADHESIVE			
Thickness ▼ (mm) ▼	Width ▼ (mm) ▼	Code ▼	m²/Ct. ▼	Code ▼	m²/Ct. ▼
6	1500			80106215303SRC	45
9	1500			80109215303SRC	30
13	1500			80113215303SRC	21
19	1500			80119215303SRC	15

Tolerance for K-FLEX® SRC Sheets: Length: + 5% - 1,5%
 Width: +/- 2%
 Thickness: 6 mm +/- 1 mm; da 9 a 19 mm +/- 1,5 mm

ACCESSORIES

For correct insulation K-FLEX® offers a complete range of accessories specific to each product. K-FLEX® SRC has foil and tapes (adhesive and not) for the correct installation of sheets and tubes, the typical finishing of the product remains unchanged on the whole isolated pipeline.

The technical characteristics of the foil and the tapes maintain the performance of the insulating material unaltered.

K-FLEX® SRC ▶ FOIL

Description ▼	Thickness ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
without adhesive	0.22 mm	1000 mm	10 m	1 roll	85LAOL10100SRC
with adhesive	0.22 mm	1000 mm	10 m	1 roll	85LAAL10100SRC

K-FLEX® SRC ▶ ADHESIVE TAPE

Description ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
ADHESIVE FOIL TAPE SRC 50	50 mm	25 m	4 rolls	85NSAL25050SRC
ADHESIVE FOIL TAPE SRC 75	75 mm	25 m	4 rolls	85NSAL25075SRC
ADHESIVE FOIL TAPE SRC 100	100 mm	25 m	4 rolls	85NSAL25100SRC

K-FLEX® SRC ▶ TAPE

Description ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
FOIL TAPE SRC 50	50 mm	25 m	4 rolls	85NSOL25050SRC
FOIL TAPE SRC 75	75 mm	25 m	4 rolls	85NSOL25075SRC
FOIL TAPE SRC 100	100 mm	25 m	4 rolls	85NSOL25100SRC

K-FLEX® SRC ▶ ANTICONDENSATION TAPE

Thickness ▼	Height ▼	Length ▼	Quantity ▼	Code ▼
3 mm	50 mm	15 m	12 rolls	85NS3K15050SRC



CONTACT

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2019