

K-FLEX



K-FLEX SRC



Smoke Reduction Cladding



K-FLEX
SRC

K-FLEX
SRC ECO

B-s2,d0



K-FLEX
SRC **B-s2,d0**
Smoke - Reduction - Cladding

www.kflex.com

SMOKE REDUCTION CLADDING

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K-FLEX SRC K-FLEX SRC ECO **B-s2,d0**

Insulation sheet which retards smoke emission, suitable for use along escape routes.

K-FLEX SRC AND K-FLEX SRC ECO SMOKE REDUCTION CLADDING

The world today is increasingly aware of the need to meet fire safety requirements and reduce energy consumption, and the new **K-FLEX SRC** and **K-FLEX SRC ECO** sheets have been developed specifically with these criteria in mind.

K-FLEX SRC, in conjunction with K-FLEX ST tubes, complies with the current European standards on fire classification of construction products and building components, and offers design, engineers and installers a complete range of solutions for the insulation of pipes, ducting and technical systems, capable of reducing the emission of smoke.

K-FLEX SRC sheet works by combining the features of closed cell elastomeric foam and the performance of a specific protective jacket. The elastomeric foam ensures good thermal performance like low thermal conductivity and high resistance to water vapour diffusion.

In case of fire, the jacket protects against fire by retarding its onset, slowing the propagation of the flame and as a result, the emission of smoke.

The special halogen-free elastomeric foam compound of the new **K-FLEX ECO SRC** sheets ensure that, in case of fire, any smoke are free of hazardous hydrohalic acids and organochlorine compounds.

K-FLEX ECO SRC sheets further increase the level of safety in case of fire, making them an ideal solution to protect personal safety.

K-FLEX SRC

B-s2, d0

K-FLEX SRC

✚ Details

K-FLEX SRC's innovative design combines the high thermal performance of a rubber based flexible elastomeric foam with a reduced smoke emission coating, offering a product which is also suitable to be installed along escape routes.

✚ Applications

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

✚ Classification

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

ADVANTAGES ▶

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.

K-FLEX SRC

Reaction to fire

K-FLEX SRC sheet is classified as B-s2, d0 according to EN 13501-1.

Thermal characteristics

K-FLEX SRC sheet provides thermal conductivity equal to 0.033 W/mK at 0°C together with a water vapour diffusion of $\mu \geq 10\,000$.

Operating temperatures

K-FLEX SRC sheet may be used for thermal and acoustic insulation in the temperature range from -40°C up to 85°C.



TECHNICAL DATA

| K-FLEX ▶ SRC | | | | |
|---------------------------------|--------------------|------------|---|-------|
| Property | Value | Standard | Comments | |
| Reaction to fire | B-s2,d0 | EN 13501-1 | Suitable for installation along escape routes | |
| Maximum operating temperature | +85 °C | EN 14706 | | |
| Minimum operating temperature | -40 °C | | For applications <-40 ° C please contact our Technical Department | |
| Water permeability | WS < 0.1% | EN 13472 | | |
| Permeability | $\mu \geq 10\,000$ | EN 12086 | | |
| Leachable chloride | < 500 ppm | EN 13468 | | |
| Corrosion problems | pH 7 ± 0.5 | EN 13468 | | |
| Average temperature [°C] | -20 | 0 | 20 | 40 |
| Thermal conductivity [W/(m °K)] | 0.031 | 0.033 | 0.035 | 0.037 |



K-FLEX SRC ▶ SHEETS

K-FLEX SRC ▶ IN ROLLS 1000 MM WIDE

| Spessore (mm) | Width (mm) | Description | Part no. | m ² /Box | Bar Code |
|---------------|------------|------------------------|----------------|---------------------|---------------|
| 6 | 1000 | SHEET 1000 x 6 mm SRC | 80006210103SRC | 15 | 8027409715351 |
| 9 | 1000 | SHEET 1000 x 9 mm SRC | 80009210103SRC | 10 | 8027409715320 |
| 13 | 1000 | SHEET 1000 x 13 mm SRC | 80013210103SRC | 8 | 8027409715337 |
| 19 | 1000 | SHEET 1000 x 19 mm SRC | 80019210103SRC | 5 | 8027409715344 |

K-FLEX SRC ▶ N ROLLS 1000 MM WIDE SELF ADHESIVE

| Spessore (mm) | Width (mm) | Description | Part no. | m ² /Box | Bar Code |
|---------------|------------|------------------------------|----------------|---------------------|---------------|
| 6 | 1000 | SHEET 1000 x 6 mm SRC ADHES | 80106210103SRC | 15 | 8027409715276 |
| 9 | 1000 | SHEET 1000 x 9 mm SRC ADHES | 80109210103SRC | 10 | 8027409715283 |
| 13 | 1000 | SHEET 1000 x 13 mm SRC ADHES | 80113210103SRC | 8 | 8027409715290 |
| 19 | 1000 | SHEET 1000 x 19 mm SRC ADHES | 80119210103SRC | 5 | 8027409715306 |

K-FLEX SRC ▶ N ROLLS 1500 MM WIDE SELF ADHESIVE

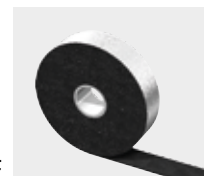
| Spessore (mm) | Width (mm) | Description | Part no. | m ² /Box | Bar Code |
|---------------|------------|------------------------------|----------------|---------------------|---------------|
| 6 | 1500 | SHEET 1500 x 6 mm SRC ADHES | 80106215303SRC | 45 | 8027409715245 |
| 9 | 1500 | SHEET 1500 x 9 mm SRC ADHES | 80109215303SRC | 30 | 8027409715252 |
| 13 | 1500 | SHEET 1500 x 13 mm SRC ADHES | 80113215303SRC | 21 | 8027409715269 |
| 19 | 1500 | SHEET 1500 x 19 mm SRC ADHES | 80119215303SRC | 15 | 8027409715061 |

Tolerances for K-FLEX SRC sheet comply with product standard EN 14304.

Length: from -1.5% to + 5%

Width: ± 2%

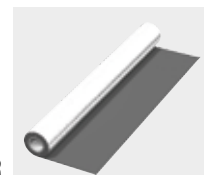
Thickness: 6 mm +/- 1 mm; from 9 to 19 mm +/- 1,5 mm; from 25 +/- 2 mm



K-FLEX SRC ▶ TAPE

K-FLEX SRC ▶ ANTI CONDENSATION TAPE

| Thickness (mm) | Width (mm) | Length (m) | Quantity | Part no. | Bar Code |
|----------------|------------|------------|----------|----------------|---------------|
| 3 | 50 | 15 | 12 rolls | 85NS3K15050SRC | 8027409717058 |



K-FLEX SRC ▶ FOIL COVER

K-FLEX SRC ▶ FOIL COVER

| | Thickness (mm) | Width (mm) | Length (m) | Quantity | Part no. | Bar Code |
|---------------|----------------|------------|------------|----------|----------------|---------------|
| No adhesive | 0.22 | 1000 | 10 | 1 roll | 85LA0L10100SRC | 8027409715412 |
| Self adhesive | 0.22 | 1000 | 10 | 1 roll | 85LAAL10100SRC | 8027409715511 |



K-FLEX SRC ▶ ADHESIVE TAPE

| DESCRIPTION | HEIGHT | LENGTH | QUANTITY | CODE | BAR CODE |
|----------------------------|--------|--------|----------|----------------|----------------|
| ADHESIVE FOIL TAPE SRC 50 | 50 mm | 25 m | 4 rolls | 85NSAL25050SRC | 85NSOL25100SRC |
| ADHESIVE FOIL TAPE SRC 75 | 75 mm | 25 m | 4 rolls | 85NSAL25075SRC | 8027409724216 |
| ADHESIVE FOIL TAPE SRC 100 | 100 mm | 25 m | 4 rolls | 85NSAL25100SRC | 8027409724223 |



K-FLEX SRC ▶ TAPE

| DESCRIPTION | HEIGHT | LENGTH | QUANTITY | CODE | BAR CODE |
|-------------------|--------|--------|----------|----------------|---------------|
| FOIL TAPE SRC 50 | 50 mm | 25 m | 4 rolls | 85NSOL25050SRC | 8027409724230 |
| FOIL TAPE SRC 75 | 75 mm | 25 m | 4 rolls | 85NSOL25075SRC | 8027409724247 |
| FOIL TAPE SRC 100 | 100 mm | 25 m | 4 rolls | 85NSOL25100SRC | 8027409724254 |

K-FLEX SRC SMOKE REDUCTION CLADDING

K-FLEX SRC ECO
HALOGEN FREE INSULATION
FOR REDUCED EMISSION
OF SMOKE.

B-s2, d0
HALOGEN FREE



K-FLEX SRC ECO

+ Description

K-FLEX SRC ECO is an insulating sheet 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 sheets are 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 sheet has been tested according to the current European standard EN 13501-1, for fire resistance of construction products, and is classified B-s2, d0.

ADVANTAGES ▶

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.
- Low thermal conductivity.
- Higher mechanical properties with respect to an uncoated elastomeric insulation foam.
- Quick and easy installation.

K-FLEX SRC ECO

Reaction to fire

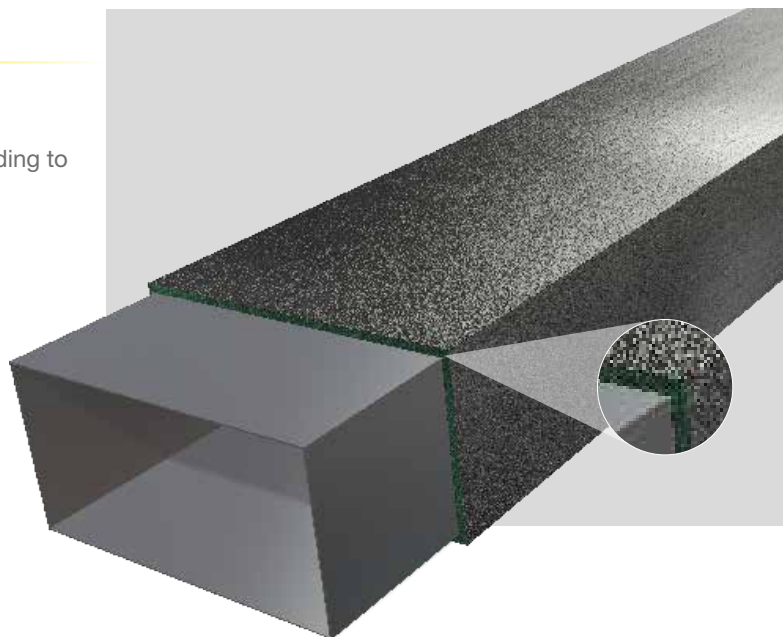
K-FLEX SRC ECO sheet is classified as B-s2, d0 according to EN 13501-1.

Thermal characteristics

K-FLEX SRC ECO sheet provides thermal conductivity equal to 0.038 W/mK at 0°C together with resistance to water vapour $\mu \geq 3\ 000$.

Operating temperatures

Sheet may be used for thermal and acoustic insulation in the temperature range from -40°C up to 85°C.



TECHNICAL DATA

| K-FLEX ▶ SRC ECO | | | | |
|---------------------------------|---|------------|---|-------|
| Property | Value | Standard | Comments | |
| Reaction to fire | B-s2,d0 | EN 13501-1 | Suitable for installation along escape routes | |
| Maximum operating temperature | +85°C | EN 14706 | | |
| Minimum operating temperature | -40 °C | | For applications <-40 ° C please contact our Technical Department | |
| Water permeability | WS < 0.1% | EN 13472 | | |
| Permeability | $\mu \geq 3\ 000$ | EN 12086 | | |
| Leacheable chloride | < 500ppm | EN 13468 | | |
| Corrosion problems | pH 7 ± 0.5 | EN 13468 | | |
| Ecological data | Without halogens, PVC, CFCs, HCFCs and Formaldehyde | | | |
| Average temperature [°C] | -20 | 0 | 20 | 40 |
| Thermal conductivity [W/(m °K)] | 0.036 | 0.038 | 0.040 | 0.042 |



K-FLEX SRC ECO ▶ SHEETS

K-FLEX SRC ECO ▶ IN ROLLS 1000 MM WIDE

| Thickness (mm) | Width (mm) | Description | Part no. | m ² /Box | Bar Code |
|----------------|------------|----------------------------|----------------|---------------------|---------------|
| 6 | 1000 | SHEET 1000 x 6 mm SRC ECO | 80006210112SRC | 15 | 8027409716907 |
| 9 | 1000 | SHEET 1000 x 9 mm SRC ECO | 80009210112SRC | 10 | 8027409716914 |
| 13 | 1000 | SHEET 1000 x 13 mm SRC ECO | 80013210112SRC | 8 | 8027409716921 |
| 19 | 1000 | SHEET 1000 x 19 mm SRC ECO | 80019210112SRC | 5 | 8027409716938 |
| 25 | 1000 | SHEET 1000 x 25 mm SRC ECO | 80025210112SRC | 4 | 8027409722021 |

K-FLEX SRC ECO ▶ IN ROLLS 1000 MM WIDE SELF ADHESIVE

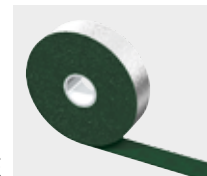
| Thickness (mm) | Width (mm) | Description | Part no. | m ² /Box | Bar Code |
|----------------|------------|----------------------------------|----------------|---------------------|---------------|
| 6 | 1000 | SHEET 1000 x 6 mm SRC ECO ADHES | 80106210112SRC | 15 | 8027409717027 |
| 9 | 1000 | SHEET 1000 x 9 mm SRC ECO ADHES | 80109210112SRC | 10 | 8027409716952 |
| 13 | 1000 | SHEET 1000 x 13 mm SRC ECO ADHES | 80113210112SRC | 8 | 8027409716969 |
| 19 | 1000 | SHEET 1000 x 19 mm SRC ECO ADHES | 80119210112SRC | 5 | 8027409716976 |
| 25 | 1000 | SHEET 1000 x 25 mm SRC ECO ADHES | 80125210112SRC | 4 | 8027409722038 |

Tolerances for K-FLEX SRC ECO sheet comply with product standard EN 14304.

Length: from -1.5% to +5%

Width: ± 2%

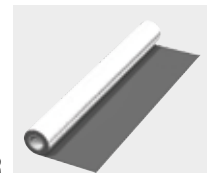
Thickness: 6 mm +/- 1 mm; from 9 to 19 mm +/- 1,5 mm; from 25 +/- 2 mm



K-FLEX SRC ECO ▶ TAPE

K-FLEX SRC ECO ▶ ANTI CONDENSATION TAPE

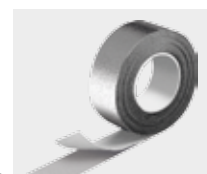
| Thickness (mm) | Width (mm) | Length (m) | Quantity | Part no. | Bar Code |
|----------------|------------|------------|-----------|----------------|---------------|
| 3 | 50 | 15 | 12 rotoli | 85NS3E15050SRC | 8027409717041 |



K-FLEX SRC ▶ FOIL COVER

K-FLEX SRC ▶ FOIL COVER

| | Thickness (mm) | Width (mm) | Length (m) | Quantity | Part no. | Bar Code |
|---------------|----------------|------------|------------|----------|----------------|---------------|
| No adhesive | 0.22 | 1000 | 10 | 1 roll | 85LA0L10100SRC | 8027409715412 |
| Self adhesive | 0.22 | 1000 | 10 | 1 roll | 85LAAL10100SRC | 8027409715511 |



K-FLEX SRC ▶ ADHESIVE TAPE

| DESCRIPTION | HEIGHT | LENGTH | QUANTITY | CODE | BAR CODE |
|----------------------------|--------|--------|----------|----------------|----------------|
| ADHESIVE FOIL TAPE SRC 50 | 50 mm | 25 m | 4 rolls | 85NSAL25050SRC | 85NSOL25100SRC |
| ADHESIVE FOIL TAPE SRC 75 | 75 mm | 25 m | 4 rolls | 85NSAL25075SRC | 8027409724216 |
| ADHESIVE FOIL TAPE SRC 100 | 100 mm | 25 m | 4 rolls | 85NSAL25100SRC | 8027409724223 |

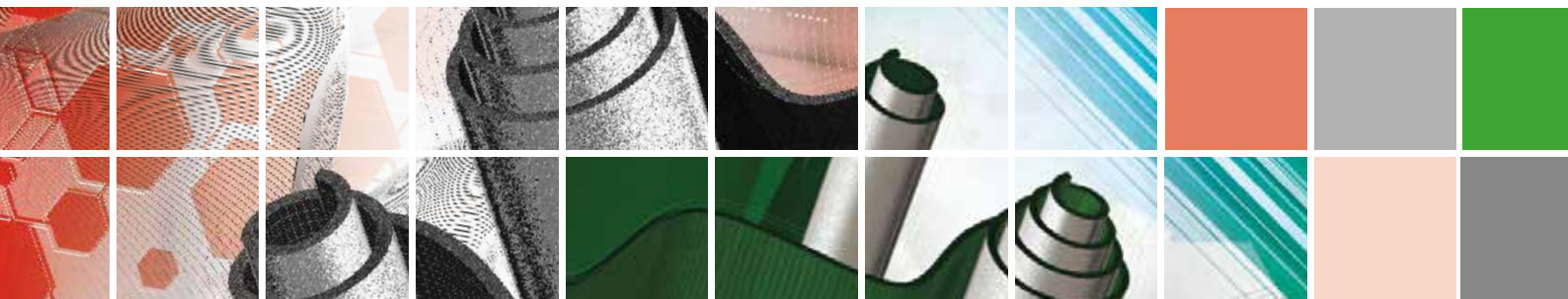


K-FLEX SRC ▶ TAPE

| DESCRIPTION | HEIGHT | LENGTH | QUANTITY | CODE | BAR CODE |
|-------------------|--------|--------|----------|----------------|---------------|
| FOIL TAPE SRC 50 | 50 mm | 25 m | 4 rolls | 85NSOL25050SRC | 8027409724230 |
| FOIL TAPE SRC 75 | 75 mm | 25 m | 4 rolls | 85NSOL25075SRC | 8027409724247 |
| FOIL TAPE SRC 100 | 100 mm | 25 m | 4 rolls | 85NSOL25100SRC | 8027409724254 |

K-FLEX SRC ECO SMOKE REDUCTION CLADDING

K-FLEX SRC



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