



## K-FLEX ST



# K-FLEX ST



K-FLEX ST



K-FLEX ST/SK  
pre-cut pipe insulation  
with adhesive

K-FLEX ST sheets

K-FLEX ST tubes



Elastomeric insulation  
for all applications,  
both civil and industrial.

## Applications:

Air-conditioning  
Refrigeration  
Industrial processes  
Oil & gas

## K-FLEX ST

**K-FLEX ST** is suitable for all applications both civil and industrial that require the use of insulation material, providing a good quality product and value for money: refrigeration, air-conditioning, heating and plumbing, tanks, pipe fittings and water ducts.

18-028-K-FLEX-ST / D1 26.5 84 / 26 D1 18 FEMBT / 25476 CLR 3

## K-FLEX ST tubes

$\mu \geq 10000^{**}$

DIN 1988/7 Supervised

HCFC - CFC Free

Fire: Class "0" BS 476 P 6/7 1989

## K-FLEX ST & ST/SK tubes

### T E C H N I C A L   D A T A

Temperature range	-200 °C max +105 °C***(-50°C max +85°C per ST/SK)
Thermal conductivity $\lambda W/(m \cdot K)$ EN 12667 (DIN 52612) - ENISO 8497 (DIN 52613)	-20 °C = 0.034 0 °C = 0.036* +20 °C = 0.038
Thermal conductivity $\lambda W/(m \cdot K)$ L10 EN 12667 (DIN 52612) - ENISO 8497 (DIN 52613)	+40 °C = 0.040 W/(m·K)
Corrosion problems	DIN 1988/7*; pH neutral
Permeability $\mu$ EN12086 (DIN 52615)	$\geq 10000^{**}$
Fire	Euroclass B, s3, d0 EN 13501-1 * Cl 1 (I)*, Brandkennziffer 5.2 (CH) BS 476 Part 6 1989 Cl. 0 (UK) - B1 DIN 4102 (DE)*, DIN 4102 TEIL 11 (Wand-und Dechendurchführung) NF - FEU 487 (F)*, M1 (E)
<p>* Supervised by an independent Institute</p> <p>** Supervised permeability <math>\mu \geq 7000</math>, Individual certification <math>\mu \geq 10000</math>.</p> <p>*** For applications at temperatures lower than -50 °C please contact our Technical office</p>	

**L'ISOLANTE K-FLEX** reserves the right to change data and technical requirements without notice.



# K-FLEX ST TUBES



## K-FLEX ST tubes

K-FLEX ST is suitable for all applications both civil and industrial that require the use of insulation material, without neglecting the price/quality relationship: refrigeration, air-conditioning, heating and plumbing, tanks, pipe fittings and water ducts.



## R A N G E

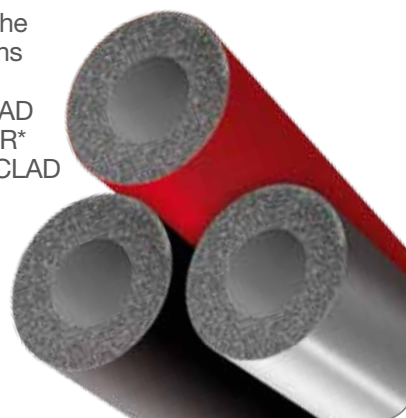
TUBES	LENGTH:	THICKNESS:	DIAMETER:
	2 m	6 - 9 - 13 - 19 - 25 - 32 - 40 - 50 - 55 - 60 mm	from 6 to 210 mm



## COVERINGS AND COATINGS

See details in the specific sections

K-FLEX AL CLAD  
K-FLEX COLOR\*  
K-FLEX IN/IC CLAD



\* also 2m pipes



## K-FLEX ST/SK tubes

The new **ST/SK** is a pre-cut elastomeric insulation with a special pressure-sensitive adhesive. The innovative adhesive **Insul-Lock®** technology is easy and quick to use. This new system has been developed to save on installation time and reduce the use of other adhesives, improving work conditions. The new **ST/SK** is flexible and easy to install even at low temperatures.

## R A N G E

TUBES	LENGTH:	THICKNESS:	DIAMETER:
	2 m	9 - 13 - 19 - 25 - 32 mm	from 12 to 114 mm



## K-FLEX ST sheets

1000/1500 mm wide insulation sheets ideal for metal ducts and large dimensions pipes.

$\mu \geq 10000^{**}$

DIN 1988/7 Supervised

HCFC - CFC Free

Fire: Class "0" BS 476 P 6/7 1989

## K-FLEX ST sheets

## TECHNICAL DATA

Temperature range	-200 °C max +105°C**(-50°C max +85°C for ST/SK)
Thermal Conductivity $\lambda$ W/(m•K) EN 12667 (DIN 52612) - EN ISO 8497 (DIN 52613)	-20 °C = 0.034 0 °C = 0.036* +20 °C = 0.038
Conductivity $\lambda$ W/(m•K) L10 EN 12667 (DIN 52612) - EN ISO 8497 (DIN 52613)	+40 °C = 0.040 W/(m•K)
Corrosion risk	DIN 1988/7*; pH neutral
Permeability $\mu$ EN 12086 (DIN 52615)	$\geq 10000^{***}$
Fire	Euroclass B, s3, d0 EN 13501-1 * Cl 1 (I)*, Brandkennziffer 5.2 (CH) BS 476 Part 6 1989 Cl. 0 (UK) - B1 DIN 4102 (DE)*, DIN 4102 TEIL 11 (Wand-und Dechendurchführung) NF - FEU 487 (F)*, M1 (E)

\* Supervised by an independent Institute

\*\*\* Supervised permeability  $\mu \geq 7000$ , Individual certification  $\mu \geq 10000$

\*\*For applications at a temperature lower than -50 °C,  
please contact our Technical Office.

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# K-FLEX ST SHEETS



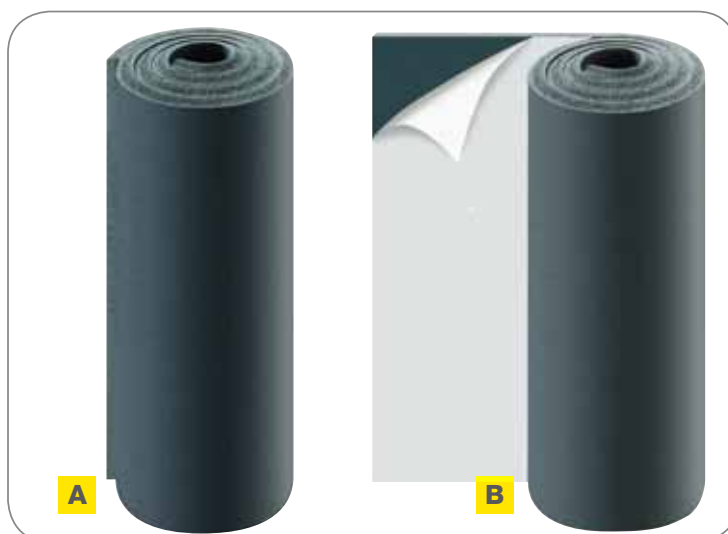
## K-FLEX ST sheets

Designed for the insulation of large surfaces. K-FLEX ST sheets, 1000/1500 mm in width, are ideal for the insulation of sheet aluminium ducts and pipes of large diameters.

By reducing the number of sections required they simplify installation, saving on time and labour costs.

- EASY APPLICATION
- ECONOMICAL
- CONTINUITY OF INSULATION
- GUARANTEED ELASTICITY AND STABILITY

In all widths and thicknesses, standard (A) and self-adhesive (B)



## FINISHES

### K-FLEX ST COLOR SYSTEM

Elastomeric sheet with an external surface covered by a layer of pigmented water-based paint with UV protection. For colour specifications and further details, see the **K-FLEX COLOR SYSTEM** section. (A)

### K-FLEX ALU COVERING ON ST SHEETS

Elastomeric self-adhesive sheet with reinforced mesh and a smooth aluminium 80µ thick covering. (B)

### K-FLEX ST DUCT AL CLAD SYSTEM

Elastomeric self-adhesive sheet, with reinforced mesh and AL CLAD covering. See sections of **K-FLEX AL CLAD SYSTEM** for the suggested specific solutions (C)



## R A N G E

Sheets 1000mm	STANDARD THICKNESS:	ADHESIVE THICKNESS:
	6 - 10 - 13 - 16 - 19 - 25 - 32 - 40 - 50 - 60 mm	6 - 10 - 13 - 16 - 19 - 25 - 32 - 40 - 50 mm
Sheets 1500mm	STANDARD THICKNESS:	ADHESIVE THICKNESS:
	6 - 10 - 13 - 16 - 19 - 25 - 32 - 40 - 50 mm	6 - 10 - 13 - 16 - 19 - 25 - 32 - 40 - 50 mm



## K-FLEX ST DUCT

Elastomeric insulation sheets  
1500/1800 mm width ideal  
for ducting systems.

Applications:  
-AIR-CONDITIONING  
-VENTILATION

$\mu \geq 5000$   
DIN 1988/7 Supervised  
HCFC - CFC Free  
Fire: Class "0" BS 476 P 6/7 1989

## K-FLEX ST DUCT

### T E C H N I C A L   D A T A

Temperature range	-200 °C max +85 °C
Thermal Conductivity $\lambda$ W/(m•K) EN 12667 (DIN 52612) - EN ISO 8497 (DIN 52613)	-20 °C = 0.034 0 °C = 0.036* +20 °C = 0.038
Conductivity $\lambda$ W/(m•K) L10 EN 12667 (DIN 52612) - EN ISO 8497 (DIN 52613)	+40 °C = 0.040 W/(m•K)
Corrosion risk	DIN 1988/7*; pH neutral
Permeability $\mu$ EN 12086 (DIN 52615)	$\geq 5000$
Fire	Euroclass B, s3, d0 EN 13501-1 * Cl. 1 (I)*, Brandkennziffer 5-2 (CH), B1 DIN 4102 (DE)*, NF - FEU 487 (F)*, M1 (E), BS 476 1989 CL.0 (UK)

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## K-FLEX ST DUCT



### K-FLEX ST DUCT

**K-FLEX ST DUCT** is specifically produced for the insulation of ventilation and air-conditioning ducts, meeting all the necessary requirements in terms of structure and dimensions.

- EASY TO USE
- COST-EFFECTIVE
- MEETS SAFETY REQUIREMENTS

**ECONOMICAL:** flexible and easy to handle, it is made in measurements of 1500/1800 mm in width to ensure easy installation on ducts.

**PRACTICAL:** the self-adhesive surface has been made rougher to improve its grip on the metal ducts.

**CONVENIENT:** its 1500/1800 mm width cuts down on application time, reducing the final cost of pre-fabricated ducts.

**FLEXIBLE:** high elasticity helps attenuate vibrations that occur where there are joints and suspensions.

**K-FLEX DUCT** sheet in widths of 1800 mm can be supplied on request



**K-FLEX ST DUCT**

Elastomeric self-adhesive sheet, with reinforced mesh. Width 1500 / 1800 mm

## R A N G E

Sheets	HEIGHT:	THICKNESS:
	1500 mm - 1800 mm	6 - 8 - 10 - 12 - 15 - 20 - 30 mm



### FINISHES

#### K-FLEX ST DUCT AL CLAD SYSTEM (A)

Elastomeric self-adhesive sheet, with reinforced mesh and AL CLAD covering. Width: 1500 mm.

#### K-FLEX ST DUCT ALU

Elastomeric self-adhesive sheet with reinforced mesh and a smooth aluminium 80 µ thick covering. Width: 1500 mm.

#### K-FLEX ST DUCT COLOR SYSTEM (B)

Elastomeric self-adhesive sheet, with reinforced mesh and COLOR coating. Width: 1500 mm.

