



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.

18-828-K-FLEX ST® / D1 26.5 84" / 26 01 19 FEM8T / 25476 CLR 9

K-FLEX ST tubes

EN 13468 Supervised
 HCFC - CFC Free
 Fire: Euroclass B S3 d0

K-FLEX ST & ST/SK tubes

T E C H N I C A L D A T A

Temperature range	-40°C* max +110°C (-40°C max +85°C per ST/SK)	
Thermal conductivity λ W/(m•K) EN 12667 (DIN 52612) - ENISO 8497 (DIN 52613)	Thickness ≤ 25mm	Thickness > 25mm
	-20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	-20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040
Corrosion problems	EN 13468; pH neutral (7±1)	
Permeability μ EN12086 (DIN 52615)	≥10000	≥7000
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)	

* For industrial applications, product can be applied down to -198°C; for applications below -40°C please contact our technical department.

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

K-FLEX ST TUBES



K-FLEX ST tubes

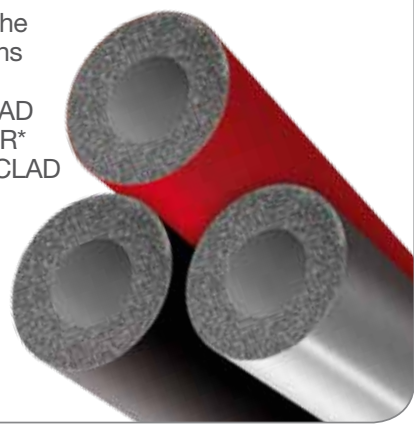
K-FLEX ST is suitable for all applications both civil and industrial that require the use of insulation material, without neglecting the price/quality relationship: refrigeration, air-conditioning, heating and plumbing, tanks, pipe fittings and water ducts.



COVERINGS AND COATINGS

See details in the specific sections

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



* also 2m pipes

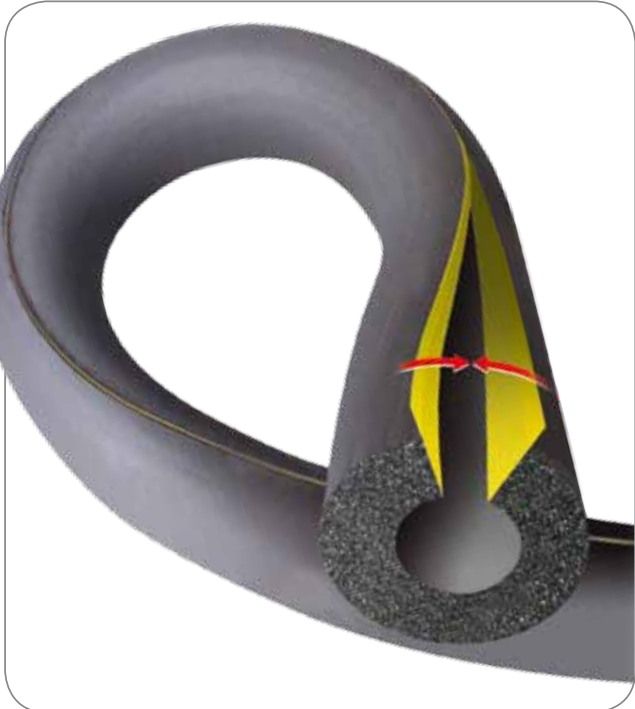
R A N G E

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



K-FLEX ST/SK tubes

The New ST /SK is a pre-cut elastomeric insulation with a special adhesive. The innovative technology is easy and quick to use. This new system is developed to save on installation time and reduce the use of other adhesives, improving work conditions.



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.

EN 13468 Supervised
HCFC - CFC Free
Fire: Euroclass B S3 d0

K-FLEX ST sheets

T E C H N I C A L D A T A

Temperature range	-40°C* max +85°C	
Thermal Conductivity λ W/(m*K) EN 12667 (DIN 52612) - EN ISO 8497 (DIN 52613)	Thickness \leq 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thickness > 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040
Corrosion risk	EN 13468; pH neutral (7 \pm 1)	
Permeability μ EN 12086 (DIN 52615)	\geq 10000	\geq 7000
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 Dechdurchführung) NF - FEU 487 (F), M1 (E)	

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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

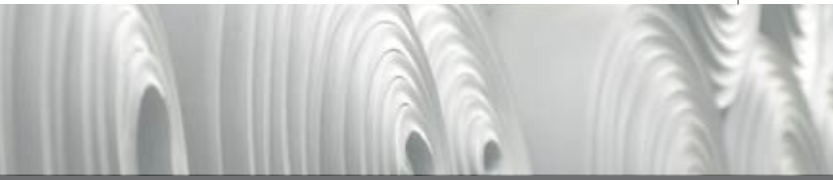
Elastomeric sheet with an external surface covered by a layer of pigmented water-based paint with UV protection. For colour specifications and further details, see the **K-FLEX COLOR SYSTEM** section. (A)

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 mm width ideal
for ducting systems.

Applications:
-AIR-CONDITIONING
-VENTILATION

$\mu \geq 7000$
EN 13468 Supervised
HCFC - CFC Free
Fire: Euroclass B S3 d0

K-FLEX ST DUCT

T E C H N I C A L D A T A

Temperature range	-40°C max +85°C	
Thermal Conductivity λ W/(m²K) EN 12667 (DIN 52612) - EN ISO 8497 (DIN 52613)	Thickness \leq 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thickness $>$ 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040
Corrosion risk	EN 13468; pH neutral (7 \pm 1)	
Permeability μ EN 12086 (DIN 52615)	≥ 7000	
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 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 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 ST DUCT
Elastomeric self-adhesive sheet, with reinforced mesh. Width 1500 mm

R A N G E

Sheets	HEIGHT:	THICKNESS:
	1500 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.

