K-FLEX ST







K-FLEX ST



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.





K-FLEX ST tubes

μ ≥ 10000**
DIN 1988/7 Supervised
HCFC - CFC Free
Fire: Class “0” BS 476 P 6/7 1989

K-FLEX ST & ST/SK tubes

TECHNICAL DATA

Temperature range	-200 °C max +105 °C***(-50°C max +85°C per ST/SK)
Thermal conductivity λW/(m•K) EN 12667 (DIN 52612) - ENISO 8497 (DIN 52613)	-20 °C = 0.034 0 °C = 0.036* +20 °C = 0.038
Thermal conductivity λW/(m•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 μ EN12086 (DIN 52615)	≥10000**
Fire	Euroclass B, s3, d0 EN 13501-1 * Cl 1 (l)*, 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 μ ≥ 7000, Individual certification μ ≥ 10000.
*** For applications at temperatures lower than -50 °C please contact our Technical office

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.





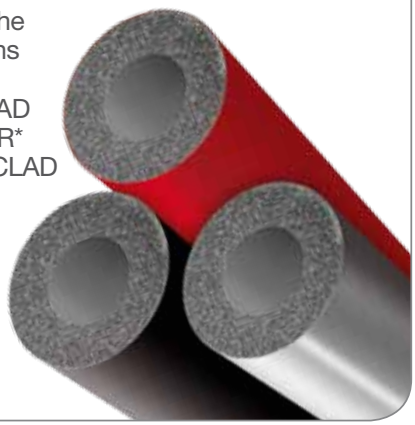
RANGE

	LENGTH:	THICKNESS:	DIAMETER:
TUBES	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 i**s 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.



RANGE

	LENGTH:	THICKNESS:	DIAMETER:
TUBES	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.

μ ≥ 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 λ 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 λ 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 μ EN 12086 (DIN 52615)	≥ 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 μ ≥ 7000, Individual certification μ ≥ 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)**



RANGE

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