



EDITION **2020**

GENERAL CATALOGUE

LITE
Version



INDEX

▶ Company profile	Pg 5
▶ Products and applications	Pg 8
▶ Packaging	Pg 10
▶ K-FLEX® ST	Pg 12
▶ K-FLEX® ST AG	Pg 13
▶ K-FLEX® AL CLAD SYSTEM	Pg 14
▶ K-FLEX® PIPE SUPPORT	Pg 15
▶ K-FLEX® ST ANTICONDENSATION TAPE	Pg 16
▶ K-FLEX® FSK FACING TAPE	Pg 17
▶ K-FLEX® ALU AA CW TAPE	Pg 18
▶ K-FLEX® CLOTH DUCT TAPE	Pg 19



Why is there our **K-FLEX®** Catalog in a “**LITE**” Version?

K-FLEX® offers the largest product range in the market. The K-FLEX® complete catalog contains almost 400 DIN A4 pages with all information such as benefits, technical data, ordering tables and gross prices. Customers gave us feedback that the benefits and available dimensions of our products are the most needed information. With the new K-FLEX® LITE catalog, we not only offer our customers a more manageable and interactive product catalog. We also spare our resources. After all, we take the protection of our environment very seriously, and not just with our products.



K-FLEX® QR-Code
Interact with our Website

Just one click to access additional
K-FLEX® web content.

EASY!

You can scan the QR Codes at the beginning of each product section with free software on your smartphone (Android, Apple and Windows). This allows you to access additional up-to-date information from K-FLEX®.

**QR-Code
to the full
K-FLEX®
catalog.**



THE COMPANY

K-FLEX® is an Italian 100% private owned manufacturing company specialised in the production of thermal and acoustic flexible elastomeric insulation materials. K-FLEX® has production facilities and subsidiary networks around the globe in order to supply their products to a worldwide customer base. Its diversified products range provides solutions for various market sectors, including building, transport, petrochemical and renewable energy. K-FLEX® is a worldwide market leader thanks to its focus on technology innovation and the quality of its products that play an essential role in energy consumption control and reduction of the greenhouse gas emission.

K-FLEX® is an example of a successful Italian company that has established itself worldwide. The company is present in 63 countries, with production facilities in all continents and more than 3000 employees. In addition, the company has commercial distribution branches, located all over the world, for the efficient and effective global distribution process of its

products. The original manufacturing plant, located in Roncello (north of Milan), was founded in 1989. UNI EN ISO 9001:2015 and ISO 14001 certified, the company offers a wide range of products that ensure quality, reliability and compliance with market standards. K-FLEX® products also play a very important role in conserving the environment by improving the relationship between energy consumption and pollutant emissions, controlling energy consumption and reducing the release of greenhouse gas in the atmosphere.

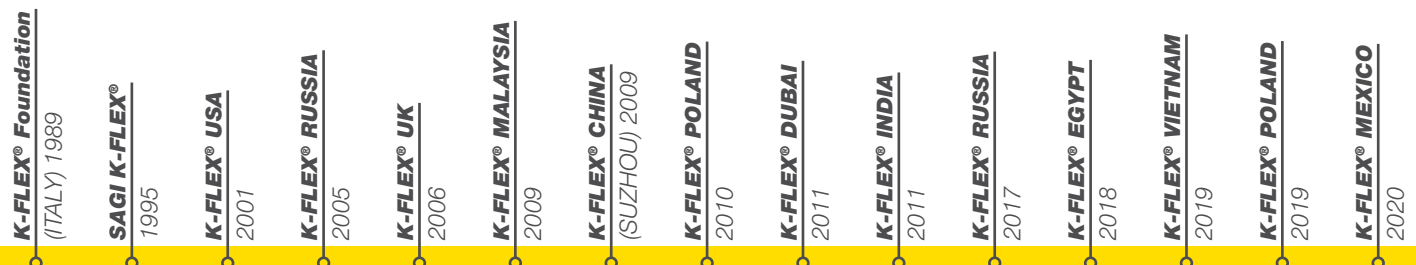
THIRTY YEARS OF HISTORY:
SYNONYMOUS WITH QUALITY,
PROFESSIONALISM AND PASSION

THE STORY

K-FLEX® was founded in 1989 and, within 30 years, has become one of the most impressive FEF manufacturers in the world. With production plants all over the world and a widespread network of distributors, over time it has ensured a global reputation in terms of quality and services offered to meet the needs of all types of projects. Throughout its history K-FLEX® has understood the market needs by reinventing its product ranges according to the evolution of the markets and the needs of local realities.

More information
on our proven
experience in our
Company profile

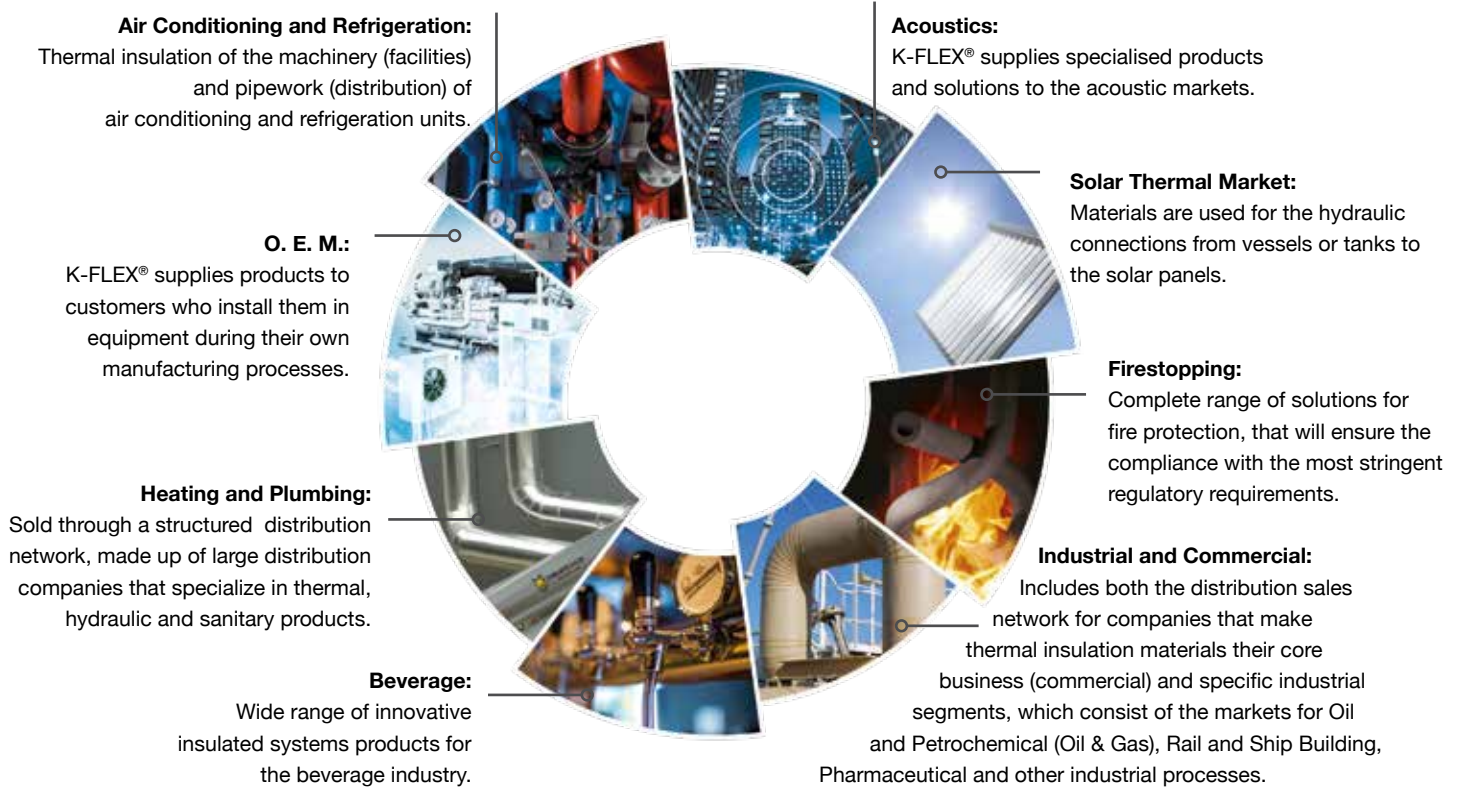
PLANT TIMELINE



K-FLEX® EGYPT production plant

BUSINESS AREA

K-FLEX® is a reference point for excellence in the insulation market through the quality of its processes and products and the continuous search for innovative solutions. K-FLEX® offers a wide range of products to meet the needs of the following areee market:



MISSION

To be the **market leader** in the production of **insulation materials** and to effectively answer the specific needs of its customers and markets, while providing **advanced technological solutions** and **innovative insulation systems**.



LOGISTIC AND DISTRIBUTION

The high flexibility of our production structure allows us to up-date our stock rotation based on sales forecasts. Being able to give thorough answers to any request is one of K-FLEX®'s strong points. The K-FLEX® warehouse enables high performance in terms of speed, handling some 4,000 different products with a fast turnover. Our warehouse has a dedicated goods despatch area, especially designed with ergonomics and organisation in mind. This area has been constructed on different levels with lifts to facilitate easy pallet handling. Through these actions the shipping area of our Poland plant warehouse is able to prepare and load a quantity of materials equal to 60 complete trucks per day and more than 52000 complete trucks per year. With our additional national logistic centers K-FLEX® is able to deliver to almost all areas in Europe within 24 hours.



IN THE WORLD

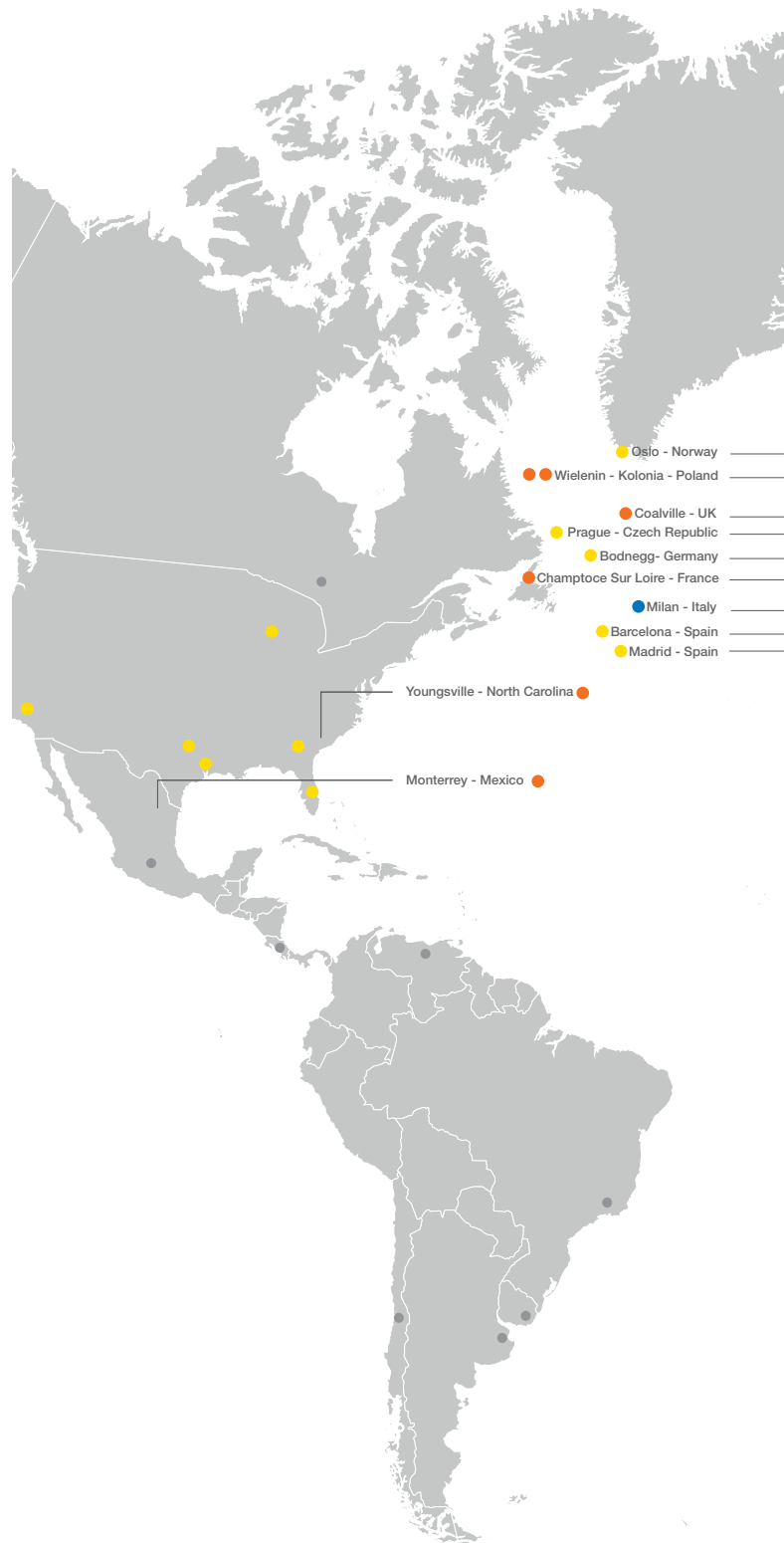
K-FLEX® distributes products to over 63 countries. As part of its business strategy, K-FLEX® will continue to seek to expand its sales and market share in various international markets, particularly in emerging regions.

K-FLEX®'s international production network is in response to a rapidly expanding insulation market. Unlike other markets, K-FLEX® does not globalize as a strategy to decrease labour costs, but instead, is expanding in order to more efficiently reach local markets. Thermal insulation materials are high volume products and shipping costs have a strong impact on pricing. Maintaining a close vicinity to the local market and reducing transportation costs are, therefore, important strategic factors in this industry. A close proximity to customers provides K-FLEX® with the flexibility to adapt in this global market that is constantly evolving.

One of the strengths of K-FLEX® is the ability to effectively answer the specific needs of its customers through a particularly flexible production structure, that enables inventory updates based on their sales forecasts. This flexibility allows for a better level of service to the customer.

Further Expansion











K-FLEX® is focused on continuing to utilize its international presence in order to strengthen penetration in the high growth emerging markets. K-FLEX® is particularly focused on pursuing attractive growth opportunities in Asia Pacific, the Middle East, Eastern Europe and North America. The aim of K-FLEX® is to continue expanding its market share in key end markets by further developing its product offer for these markets and by growing relationships with existing and new customers globally.









- **1989** Year of foundation Roncello Italy
- **63** Countries with K-FLEX® subsidiaries
- **5** Continents with Logistics centers
- **14** Plants Worldwide
- **3.000+** Employees Worldwide
- **50.000+** Customers Worldwide

LOCAL CENTRES FOR WORLDWIDE DISTRIBUTION



										
	Heating	Air Conditioning / Ventilation	Refrigeration	Solar	Industrial	Oil & Gas	Ship building	Train	Halogen Free	UV Resistant
K-FLEX® ST	•	•	•		•	•	•	•		
K-FLEX® ST DUCT	•	•	•							
K-FLEX® ST FRIGO		•	•							
K-FLEX® EC	•	•								
K-FLEX® ECO	•	•	•		•	•	•	•	•	
K-FLEX® SOLAR HT	•			•	•	•			•	•
K-FLEX® SRC/SRC ECO	•	•	•						•	
K-FLEX® PE	•	•								
K-FLEX® AL CLAD SYSTEM	•	•	•		•					•
K-FLEX® COLOR SYSTEM	•	•	•							•
K-FLEX® IN CLAD SYSTEM					•	•		•		
K-FLEX® IC CLAD SYSTEM					•	•	•	•		
K-FLEX® SOLAR R				•						•
K-FLEX® TWIN SOLAR SYSTEM				•						•
K-FLEX® TWIN SOLAR SYSTEM SLIM				•						•
K-FLEX® K-ROCK	•	•			•					

			SOUND INSULATION				SOUND ABSORPTION						SYSTEM	
		WORK SECTOR	APPLICATIONS	K-FLEX® ST	K-FLEX® K-FONIK ST GK	K-FLEX® K-FONIK GK	K-FLEX® K-FONIK GV	K-FLEX® K-FONIK OPEN CELL 160	K-FLEX® K-FONIK OPEN CELL 240	K-FLEX® K-FONIK B	K-FLEX® K-FONIK P	K-FLEX® K-FONIK PE GK	K-FLEX® K-FONIK PU GK	K-FLEX® INDUSTRIAL *
	BUILDING	Floors	●		●			●	●	●	●			
		Walls		●	●			●	●	●				
		Structure	●	●	●									
	HVAC	Ventilation ducts and drainage pipes		●	●			●	●	●		●	●	
	INDUSTRIAL and OIL & GAS	Piping, equipment and plants			●	●			●					●
	OEM PRODUCTS	Machinery covers, engine compartments		●	●			●	●	●	●	●	●	
	TRAIN & SHIPBUILDING	Vani Motore, Partizioni, Impianti tecnici					●							
	AUTOMOTIVE	Engine noise insulation and frames, sound absorption for roof frames, driver cabins		●	●			●	●					

* Refer to K-FLEX® K-FONIK INDUSTRIAL brochure

* Refer to K-FLEX® K-FONIK INDUSTRIAL brochure

K-FLEX® PACKAGING ► TUBES







CARTONS	PRODUCTS	CARTON DIMENSIONS (CM)			CARTONS/ PALLET	PALLET DIMENSIONS (CM)			PALLET/ TRUCK	PALLET**
		LENGTH	WIDTH	HEIGHT		LENGTH	WIDTH	HEIGHT		
	Tubes 2m: K-FLEX® ST K-FLEX® EC K-FLEX® ECO K-FLEX® SOLAR HT	210	39	32	21 18	210 210	120 120	239 207	12	
	Tubes 2m: K-FLEX® COLOR	210	39	39	15	210	120	245	12	
	Tubes 2m: K-FLEX® PE K-FLEX® PE PLUS K-FLEX® PE COLOR K-FLEX® PE PLUS COLOR	207,5	59	39	10	210	118	208,5	12	
	Tubes 2m: K-FLEX® PE K-FLEX® PE PLUS K-FLEX® PE COLOR K-FLEX® PE PLUS COLOR	207,5	38,5	32	18	210	118	208,5	12	
	Tubes 1m: K-FLEX® COLOR K-FLEX® IC CLAD K-FLEX® IN CLAD K-FLEX® SRC ECO K-FLEX® AL CLAD K-FLEX® K-ROCK	108	39	39	30	210	120	245	12	
	Tubes in coils: K-FLEX® PE COLOR	105	55	55	16	210	120	235	12	
	Tubes in coils: K-FLEX® SOLAR HT	59	59	40	36 16 30 12	210 120 210 120	120 80 120 80	255 251 215 192	12	
	Tubes in coils: K-FLEX® EC-H K-FLEX® H	49	49	28	72	210	120	250	12	
	Tubes in coils: (industrial): K-FLEX® ST FRIGO	80	80	40	18	210	120	255	12	
	Tubes in coils: K-FLEX® ST FRIGO	51,5	50	21	88 32 72 36	210 120 210 120	120 80 120 80	246 246 204 220	12	

* Maximum number per pallet

** Images for illustration purposes only, the amount of cartons/pallet may differ from that shown.

*** maximum height = 265 cm Depending on the thickness of the insulation sheet packing can vary in size, which may affect the overall height.

K-FLEX® PACKAGING ► K-FONIK













CARTONS	PRODUCTS	CARTON DIMENSIONS (CM)			CARTONS/ PALLET	PALLET DIMENSIONS (CM)			PALLET/ TRUCK	PALLET**
		LENGTH	WIDTH	HEIGHT		LENGTH	WIDTH	HEIGHT		
	K-FLEX® K-FONIK GK/GV: 1000 mm 1200 mm 1500 mm	102 - -	19 - -	16,5 - -	16 from 1 to 5 1	120 120 130	80 80 110	12 12 12		
	K-FLEX® K-FONIK OPEN CELL	210	109	16,5	7	210	110	14		
	K-FLEX® K-FONIK ST GK	102	19	19	30	110	110	14		

* Maximum number per pallet

** Images for illustration purposes only, the amount of cartons/pallet may differ from that shown.

Logistic informations and packaging for K-FLEX® K-FONIK B, K-FLEX® K-FONIK P, K-FLEX® K-FONIK PE GK, K-FLEX® K-FONIK FIBER-P and K-FLEX® K-FONIK PU GK on request.

K-FLEX® PACKAGING ► SHEETS

CARTONS	PRODUCTS	CARTON DIMENSIONS (CM)			CARTONS/ PALLET	PALLET DIMENSIONS (CM)			PALLET/ TRUCK	PALLET**
		LENGTH	WIDTH	HEIGHT		LENGTH	WIDTH	HEIGHT		
	Sheets 1m: K-FLEX® ST K-FLEX® ECO K-FLEX® SOLAR HT K-FLEX® COLOR	104	52	52	16	210	120	235	12	
	Sheets 1m: K-FLEX® AL CLAD K-FLEX® IC CLAD K-FLEX® IN CLAD	105	55	55	16	210	120	235	12	
	Sheets 1m: K-FLEX® ST K-FLEX® SRC/SRC ECO	106	40	41	36	210	120	261	12	
	Sheets 1m: K-FLEX® ST	105	73	73	9	216	118	237	12	
	Sheets 2x0,5m	215,5	55	16,5	20	210	120	180		
	Sheets 1,5m in bags: K-FLEX® ST K-FLEX® ST DUCT				20	210	120	265***		











* Maximum number per pallet

** Images for illustration purposes only, the amount of cartons/pallet may differ from that shown.

*** maximum height = 265 cm Depending on the thickness of the insulation sheet packing can vary in size, which may affect the overall height.

NB: transport volumes are calculated for full loads. This may change according to the size of the truck. Please check with our customer service department on transport volumes valid for the particular job.

K-FLEX® PACKAGING ► SOLAR SYSTEM

CARTONS	PRODUCTS	CARTON DIMENSIONS (CM)			CARTONS/ PALLET	PALLET DIMENSIONS (CM)			PALLET/ TRUCK	PALLET**
		LENGTH	WIDTH	HEIGHT		LENGTH	WIDTH	HEIGHT		
	K-FLEX® TWIN SOLAR SYSTEM	80	80	29	14	160	80	218		
		80	80	39	12	160	80	249		
		80	80	55	8	160	80	235		
		80	80	65	6	160	80	210		
	K-FLEX® SOLAR R (Tube in coils)	60	60	45	40	212	118	245		
	K-FLEX® SOLAR R (Standard carton)	39	32	210	21	212	118	145		
	K-FLEX® SOLAR R (Half carton)	39	15,5	210	42	212	118	140		
	K-FLEX® TWIN SOLAR SYSTEM SLIM	120	120	80	2	120	120	175		
		120	120	64	2	120	120	143		
		80	80	82	2	80	80	179		
		115	115	84	2	120	120	183		

* Maximum number per pallet

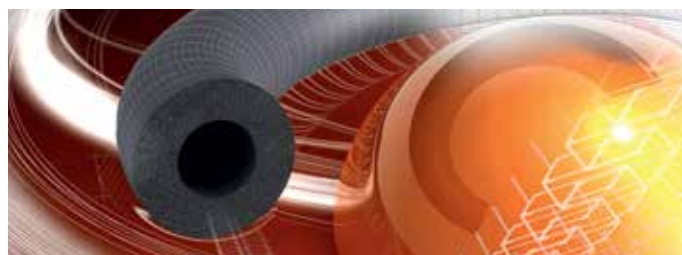
** Images for illustration purposes only, the amount of cartons/pallet may differ from that shown.

NEW!
Starting from
January 2020,
our packaging
will be **graphical
updated**



K-FLEX® ST

- ▶ Elastomeric insulation for all civil and industrial applications
- ▶ High performance for all applications in a temperature range from -165 °C to +110 °C
- ▶ Prevents the risk of condensation and improves energy saving
- ▶ Reaction to fire Euroclass B_s-s2, d0
- ▶ Very fine closed cellular structure and high technical performance
- ▶ Resistant to mould, fungi and bacteria
- ▶ Light and flexible



K-FLEX® ST TUBES

K-FLEX® ST products meet all the requirements demanded by civil and industrial refrigeration, air conditioning, plumbing, insulation of tanks, fittings, water pipes and all other applications that need thermal insulation.

K-FLEX® ST/SK TUBES

K-FLEX® ST/SK is a cut-to-length self-seal elastomeric insulation. This innovative technology includes adhesive tapes which are quick and easy to use for the installer. This new system has been developed to save on installation time and reduce the use of other adhesives to improve working conditions at the construction site. Also available as version with overlap - K-FLEX® ST/SK with overlap.

K-FLEX® ST SHEETS

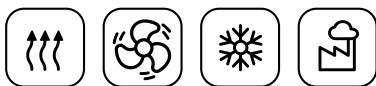
K-FLEX® ST SHEETS are ideal for sheet metal ducts and large size pipes. The height of 1000/1500 mm minimises segmentation of the coating and simplifies installation, greatly reducing time and labour cost. Available in standard and adhesive.

K-FLEX® ST ▶ TECHNICAL DATA			
▼ Property ▼	▼ Value ▼		▼ Test method ▼
Temperature range	K-FLEX® ST Tubes: from -165 °C* to +110 °C K-FLEX® ST/SK: from -40 °C to +85 °C K-FLEX® ST Sheets: from -165 °C* to +85 °C		EN 14706 EN 14707
Thermal conductivity λ W/(m•K)	Thicknesses \leq 25mm -20 °C = 0,031 0 °C = 0,033 +20 °C = 0,035 +40 °C = 0,037	Thicknesses $>$ 25mm -20 °C = 0,034 0 °C = 0,036 +20 °C = 0,038 +40 °C = 0,040	EN 13787 EN ISO 8497
Corrosion prevention	pH neutral (7 \pm 0,5)		EN 13468
Permeability μ	\geq 10000	\geq 7000	EN 12086
Fire rating	K-FLEX® ST Tubes: Euroclass B _s -s2, d0 K-FLEX® ST/SK: Euroclass B _s -s2, d0 K-FLEX® ST Sheets: Euroclass B-s3, d0 Class 0		EN 13501-1 EN 13501-1 EN 13501-1 BS 476 Part 6/7
Ecological data	Without CFCs and HCFCs		

* For industrial applications, product can be applied down to -198°C; 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® ST ▶ RANGE			
	▼ Length ▼	▼ Thicknesses ▼	▼ Diameters ▼
K-FLEX® ST - Tubes	2 m	6-9-13-19-25-32-40-50-60 mm	from 6 to 210 mm
K-FLEX® ST/SK - Adhesive tubes	2 m	9-13-19-25-32 mm	from 12 to 114 mm
	▼ Thicknesses ▼		▼ Height ▼
K-FLEX® ST - Sheets	3-6-10-13-16-19-25-32-40-50-60 mm		1000/1500 mm
K-FLEX® ST - Adhesive sheets	3-6-10-13-16-19-25-32-40-50 mm		1000/1500 mm



K-FLEX® ST AG

- ▶ K-FLEX® Flexible Elastomeric Insulations with a factory applied Aluminum-Glass Cloth backing (7u Foil / FR Glue / 90gsm Glass Cloth), combined with a high performance flame retardant solvent acrylic adhesive.

GENERAL INFORMATION

Along with the thermal properties of our insulations (refer K-FLEX® ST product technical data), the added advantage and properties to the insulations are:

- ▶ AG facing helps prevents the Water Vapour Transmission leading to excellent property for a longer period.
- ▶ AG facing provides excellent reflection of both heat and light.
- ▶ The minor mechanical damages are easily protected by the AG facing which adds life of the insulation.



New!

High quality elastomeric insulation combined with **scratch resistant** finishing

THE STRUCTURE OF K-FLEX® ST AG

Stratification of the finish coupled to the elastomeric product K-FLEX®



K-FLEX® ST AG (COVERING FOIL ONLY) ▶ TECHNICAL DATA

Property ▼	Value Metric ▼	Value English ▼	Test method ▼
Adhesion to Steel	18 N/25mm	64.8 Oz./In.	ASTM D 3330
Tack Rolling Ball	20 cm	8.0 In	ASTM D 3121
Tensile Strength	255 N/25mm	58.0 Lb/In	ASTM D 3759
Elongation	5.0%	5.0%	ASTM D 3759
Fire rating	25/50	25/50	ASTM E 84
Fire rating	Class 0 & 25 / 50 &	Class 0 & 25 / 50 &	BS476 Pt. 6 & 7 / UL 723

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

K-FLEX® ST AG ▶ RANGE

	Length ▼	Thicknesses ▼	Diameters ▼
K-FLEX® ST AG - Tubes	2 m	6-9-13-19-25-32-40-50-60 mm	from 6 to 210 mm
	Thicknesses ▼	Height ▼	
K-FLEX® ST AG - Sheets	3-6-10-13-16-19-25-32-40-50-60 mm	1000 mm	
K-FLEX® ST AG - Adhesive sheets	3-6-10-13-16-19-25-32-40-50 mm	1000 mm	

The insulation with facing and self-adhesive can be supplied in either roll format or flat sheet format.

For more details, contact our sales/technical team.



K-FLEX® AL CLAD SYSTEM

- ▶ Versatile and flexible
- ▶ Reduced installation costs
- ▶ Economic system management
- ▶ Aesthetic finish
- ▶ UV and weather resistant
- ▶ Can be applied to any insulation system



K-FLEX® AL CLAD TUBES

Tubes have a coating system with a high performance adhesive overlap coupled to K-FLEX® ST insulation. Suitable for both indoor and outdoor use, the AL CLAD foil has an aesthetic finish and forms an impermeable barrier protecting the insulation from UV radiation and adverse weather.

The complete system is easily installed with a significant reduction in labour time.

Matching pre-formed trims complete the range.

K-FLEX® AL CLAD SHEETS

Sheets are composed of the AL CLAD coating system coupled with K-FLEX® ST insulation. Available in standard or self-seal, they are designed for use with conduits, ventilation ducts and large pipes. Their flexibility and ease of processing make this material especially suitable for awkward configurations and trims.

K-FLEX® AL CLAD JACKETING (COVERING FOIL) ▶ TECHNICAL DATA

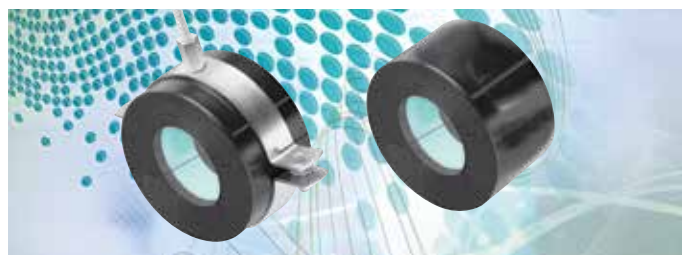
Weight	Approx.	388 g/m ²	EN 22 286
Thickness	Approx.	280 µm	DIN 53 370
Traction resistance	longitudinal	175 N/15 mm	ISO 527- 3
	transverse	175 N/15 mm	ISO 527- 3
Breaking strain	longitudinal	35 %	ISO 527- 3
	transverse	40 %	ISO 527- 3
Resistance to tearing	longitudinale	155 N/25 mm	ISO 527- 3
	trasversale	182 N/25 mm	ISO 527- 3
Resistance to bending	longitudinal	90 N/mm ²	DIN 53 864
	transverse	90 N/mm ²	DIN 53 864
Permeability to vapour	0,052 g/m ² /d		DIN 53 122
Fire rating (with K-FLEX® ST)	Sheet: Euroclass D-s3, d0		EN 13501-1
	Tube: Euroclass C _L -s3, d0		EN 13501-1
	Class 0		BS 476 Part 6/7

K-FLEX® AL CLAD SYSTEM ▶ RANGE

	▼ Length ▼	▼ Thicknesses ▼	▼ Diameters ▼
K-FLEX® AL CLAD - Tubes	1 m	9-13-19-25-32-40-50 mm	from 15 to 160 mm
		▼ Thicknesses ▼	▼ Height ▼
K-FLEX® AL CLAD - Sheets	6-9-13-16-19-25-32-40-50 mm		1000/1500 mm
K-FLEX® AL CLAD - Adhesive sheets	6-9-13-16-19-25-32-40-50 mm		1000/1500 mm

For mor info about
K-FLEX® AL CLAD
Jacketing
consult the complete
general ctalogue

K-FLEX® PIPE SUPPORT



Specifically designed to ensure a correct insulation thickness where joints are made. The PIR central section, which covers the whole circumference and is attached to two K-FLEX® insulating material sections, ensures a perfect continuity of the vapour barrier. Longitudinal sealing is obtained by means of the self-adhesive overlap. The external cover is in PVC. The support is also available with a collar and a special metal support which, when fixed to the supporting framework, ensures greater overall installation stability.

MEASUREMENTS

Thicknesses mm: 13, 19, 25, 32

Tube diameter mm: from 18 to 160; inches: from 3/4" to 5"

The insulating supports are also available in K-FLEX® ECO, SOLAR, AL CLAD, COLOR, in the same measurements as those indicated for K-FLEX® ST.

K-FLEX® PIPE SUPPORTS ► TECHNICAL DATA	
▼ Property ▼	▼ Value ▼
Central section in PIR	Density 120 kg/m³
Compression resistance	1350 kPa
Temperature range	-45 °C +105 °C
Thermal conductivity λ	0,036 W/(m•K) a 0 °C
Maximum stockage time	1 year
Colour	Black
Permeability to vapour	0,16 W/(m•K)
Diam. and thickness tolerance	1,0 gm2 24h Pa

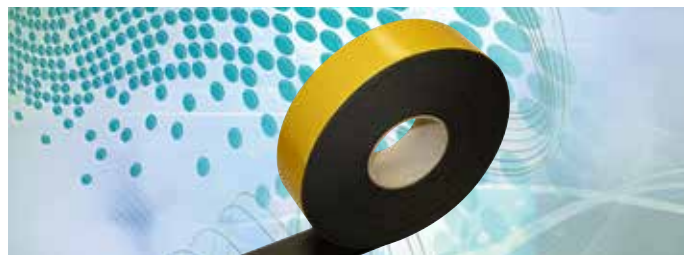
K-FLEX® reserves the right to change data and technical requirements without notice.

APPLICATION

- Place the insulating support around the pipe.
- Spread K-FLEX® adhesive onto the half-collars.
- Seal lengthways using the adhesive overlap.
- Fix the collar around the support.
- Glue the support to the insulating material.



K-FLEX® ST ANTICONDENSATION TAPE



Highly flexible closed cell elastomeric foam (FEF) suitable for hot and cold thermal insulation, featuring a combination of low thermal conductivity, high water vapour diffusion resistance and low flame spread.

MEASUREMENTS

Thickness: 3 mm

Lengths: 10 - 15 m

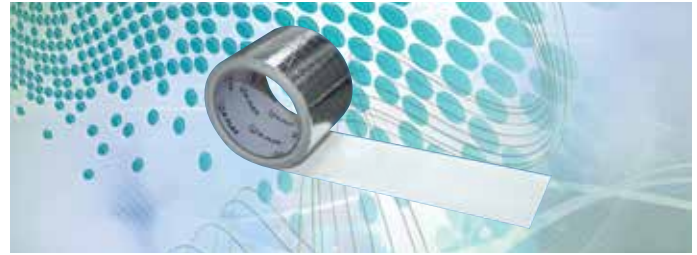
Heights: 15 - 25 - 30 - 50 - 75 - 100 mm

APPLICATIONS

Pipes, ducts, tanks, applied for refrigeration, air conditioning, heating and plumbing, pipe fittings and water ducts, industrial applications for energy saving and/or condensation prevention purposes.

K-FLEX® ST ANTICONDENSATION TAPE ► TECHNICAL DATA											
▼ Property ▼	▼ Value ▼										▼ Test method ▼
Maximum service temperature	+85°C										
Minimum service temperature	-40°C										
Permeability	$\mu \geq 7\ 000$										EN 12086
Water absorption	<0.1 %										EN 13472
Leachable chlorides	<500 ppm When tested in line with DIN1988/7, Leachable chlorides <0.05%										EN 13468
Ph	Neutral (7±0,5)										EN 13468
Fire rating	Euroclass B- s2, d0										EN 13501
Dimensional tolerances	as for EN14304										
Ecological data	Without CFCs and HCFCs										
Medium temperature	-30°C	-20°C	-10°C	0°C	+10°C	+20°C	+30°C	+40°C	+50°C	+70°C	
Thermal conductivity [W/(m °K)]	0.030	0.031	0.032	0.033	0.034	0.035	0.036	0.037	0.038	0.042	EN 13787 - EN12667
K-FLEX® reserves the right to change data and technical requirements without notice.											

K-FLEX® FSK FACING TAPE



3-way Foil-Scrim-Kraft backing, combined with aggressive cold weather solvent acrylic adhesive, protected by an easy-release silicone release paper.

MEASUREMENTS

Thickness: 120 Micron

Length: 45,7 m

Widths: 75 - 100 - 125 mm

FEATURES

- ▶ 3-way Foil-Scrim-Kraft provides excellent reflection of both heat and light.
- ▶ Cold weather adhesive with strong adhesion offers good sealing and bonding on Foil-Scrim-Kraft Facing joints and seams in HVAC ductwork applications.
- ▶ Good aging resistance, both indoors and outdoors.
- ▶ Low moisture vapor transmission rate offers excellent sealing and patching performance.

APPLICATIONS

HVAC industry for joining and sealing Foil-Scrim-Kraft Facing laminated fiberglass blanket / duct board joints and seams; joining and sealing flexible air duct seams and connections. May also be used for other industrial uses requiring a tape with these characteristics and benefits.

STORAGE & SHELF LIFE

12 months when stored at 21°C (70°F) / 50% relative humidity out of direct sunlight.

SURFACE PREPARATION

It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, free of grease, oil or other contaminants.

PRODUCT USE

It is essential that the user evaluate the products to determine whether it is fit for a particular purpose and user's method of application. Good results will be obtained when applied to a clean, dry surface with a suitable pressure on products between +10 ~ +40°C (+50 ~ +105 °F).

K-FLEX® FSK FACING TAPE ► TECHNICAL DATA

▼ Property ▼	▼ Value ▼	▼ Test method ▼
Backing Thickness	120 Micron	PSTC-133 / ASTM D 3652
Total Thickness	170 Micron	PSTC-133 / ASTM D 3652
Adhesion to Steel	16 N/25mm	PSTC-101 / ASTM D 3330
Rolling ball tack test	5 cm	PSTC-6 / ASTM D 3121
Tensile Strength	120 N/25mm	PSTC-131 / ASTM D 3759
Elongation	2.0 %	PSTC-131 / ASTM D 3759
Service Temperature	-35 ~ +80 °C	

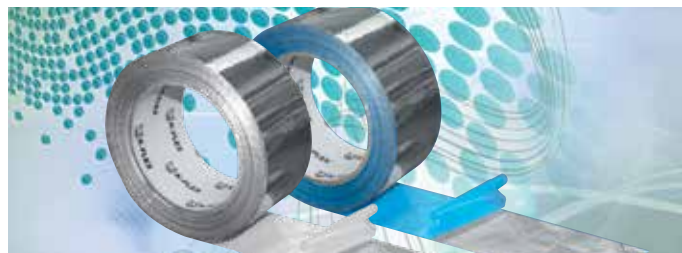
The physical properties of the products shown above are obtained from test methods defined by Technical Standards Authorities, Quality Assurance and Technical Service Departments and do not represent a guarantee of product performance. Individual tapes may vary from these parameters and in all applications the end user should determine whether the product is fit for a particular purpose and is suitable for the user's method of application before use.

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

K-FLEX® ALU AA CW

TAPE

Aluminum Foil Tape



High tensile strength aluminum foil, combined with cold weather solvent acrylic adhesive, protected by an easy-release silicone release paper or silicone coated blue polyethylene liner. Cold Weather version (low temperatures).

MEASUREMENTS

Thicknesses: 25 - 30 - 40 Micron

Length: 50 m

Widths: 50 - 75 - 100 mm

FEATURES

- ▶ Aluminum foil provides excellent reflection of both heat and light.
- ▶ High quality adhesive with strong adhesion offers a permanent seal and bond on Foil-Scrim-Kraft Facing joints and seams in HVAC ductwork applications.
- ▶ Good resistance to aging, both indoors and outdoors.
- ▶ Low moisture vapor transmission rate offers excellent performance.

APPLICATIONS

HVAC industry for joining and sealing Foil-Scrim-Kraft Facing laminated ductwrap / duct board joints and seams; joining and sealing flexible air duct seams and connections. General purpose holding, patching, sealing and masking applications – indoors and outdoors.

STORAGE & SHELF LIFE

12 months when stored at 21°C (70°F) / 50% relative humidity out of direct sunlight.

SURFACE PREPARATION

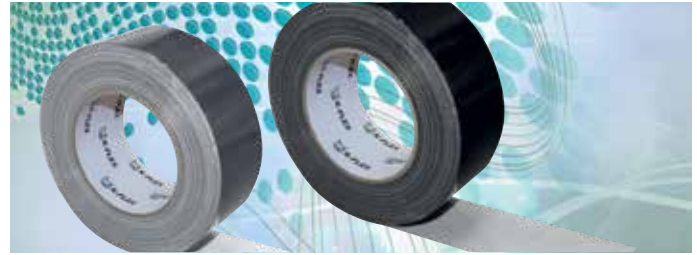
It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied must be clean, dry, free of grease, oil or other contaminants.

PRODUCT USE

It is essential that the user evaluate the products to determine whether it is fit for a particular purpose and user's method of application. Good results will be obtained when applied to a clean, dry surface with a suitable pressure on products between +10 ~ +40°C (+50 ~ +105 °F).

K-FLEX® ALU AA CW TAPE ▶ TECHNICAL DATA				
▼ Property ▼	K-FLEX® ALU ▼ AA 130 CW ▼	K-FLEX® ALU ▼ AA 130 PLUS CW ▼	K-FLEX® ALU ▼ AA 140 CW ▼	▼ Test method ▼
Backing thickness	25 Micron	30 Micron	40 Micron	PSTC-133 / ASTM D 3652
Total thickness	60 Micron	70 Micron	80 Micron	PSTC-133 / ASTM D 3652
Adhesion to steel	15 N/25mm	15 N/25mm	15 N/25mm	PSTC-101 / ASTM D 3330
Rolling ball tack test	5 cm	5 cm	5 cm	PSTC-6 / ASTM D 3121
Tensile strength	40 N/25mm	40 N/25mm	40 N/25mm	PSTC-131 / ASTM D 3759
Elongation to break	3.0 %	3.0 %	3.0 %	PSTC-131 / ASTM D 3759
Service temperature	-35 ~ +120 °C	-35 ~ +120 °C	-35 ~ +120 °C	
<p>The physical properties of the products shown above are obtained from test methods defined by Technical Standards Authorities, Quality Assurance and Technical Service Departments and do not represent a guarantee of product performance. Individual tapes may vary from these parameters and in all applications the end user should determine whether the product is fit for a particular purpose and is suitable for the user's method of application before use.</p> <p>K-FLEX® reserves the right to change data and technical requirements without notice.</p>				

K-FLEX® CLOTH DUCT TAPE



High Quality PE Duct Tape, adopts high grade fabric cloth with color polyethylene covering, coats improved synthetic rubberresin adhesive coated. It enjoys fast stick, straight and smooth tear, good tensile strength, excellent moisture resistant. It conforms well to irregular surface. It is a good choice for bundling, heavy carton packing, general maintenance, pipe wrapping, carpet fixing, air-conditioning duct's seam and joint sealing etc.

MEASUREMENTS

Thicknesses: 160 - 180 Micron

Length: 50 m

Widths: 50 - 75 - 100 mm

STORAGE & SHELF LIFE

12 months when stored at 21°C (70°F) / 50% relative humidity out of direct sunlight.

PRODUCT USE

It is essential that the user evaluate the products to determine whether it is fit for a particular purpose and user's method of application. Good results will be obtained when applied to a clean, dry surface with a suitable pressure on products between +10 ~ +40°C (+50 ~ +105 °F).

K-FLEX® CLOTH DUCT TAPE ► TECHNICAL DATA			
▼ Property ▼	K-FLEX® ▼ CLOTH DUCT 1604H ▼	K-FLEX® ▼ CLOTH DUCT 1804H ▼	K-FLEX® ▼ CLOTH DUCT 1805H ▼
Mesh	35	35	35
Colour	Grey, Blue, Red	Grey, Black	Grey
Thickness	160 Microns	180 Microns	180 Microns
Adhesion	16 N/25mm	18 N/25mm	18 N/25mm
Tensile	75 N/25mm	80 N/25mm	85 N/25mm
Elongation to break	12 %	12 %	12 %
Service temperature	-20 ~ +60 °C	-20 ~ +60 °C	-20 ~ +60 °C
<p>The physical properties of the products shown above are obtained from test methods defined by Technical Standards Authorities, Quality Assurance and Technical Service Departments and do not represent a guarantee of product performance. Individual tapes may vary from these parameters and in all applications the end user should determine whether the product is fit for a particular purpose and is suitable for the user's method of application before use.</p> <p>K-FLEX® reserves the right to change data and technical requirements without notice.</p>			



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