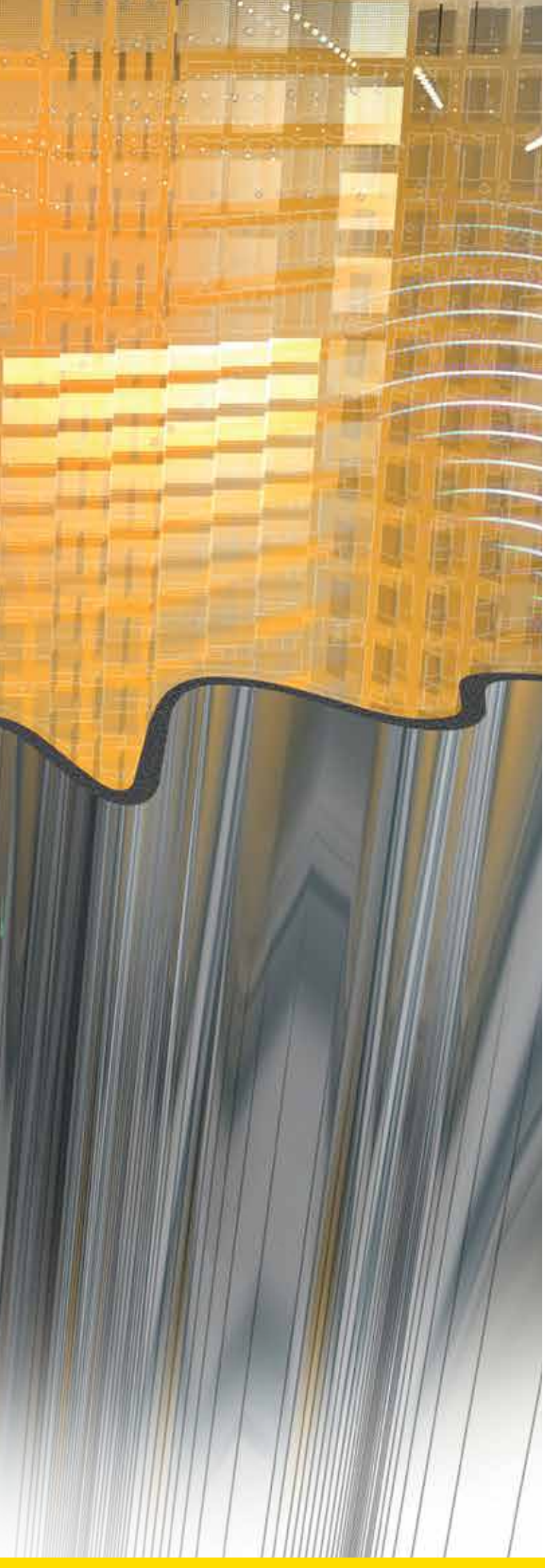
K-FLEX®
AL CLAD SYSTEM



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

Site	Video	App. Manual

TECHNICAL DATA

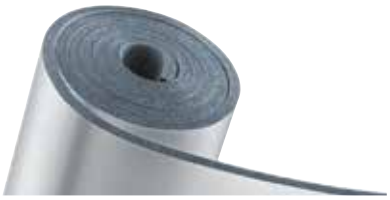
K-FLEX® AL CLAD JACKETING (COVERING FOIL) ▸ TECHNICAL DATA			
Weight	Approx.	388 g/m²	EN 22 286
Thickness	Approx.	280 µm	DIN 53 370
Traction resistance	longitudinal transverse	175 N/15 mm 175 N/15 mm	ISO 527- 3 ISO 527- 3
Breaking strain	longitudinal transverse	35 % 40 %	ISO 527- 3 ISO 527- 3
Resistance to tearing	longitudinale trasversale	155 N/25 mm 182 N/25 mm	ISO 527- 3 ISO 527- 3
Resistance to bending	longitudinal transverse	90 N/mm² 90 N/mm²	DIN 53 864 DIN 53 864
Permeability to vapour	0,052 g/m²/d		DIN 53 122
Fire rating (with K-FLEX® ST)	Sheet: Euroclass D-s3, d0 Tube: Euroclass C_L-s3, d0 Class 0		EN 13501-1 EN 13501-1 BS 476 Part 6/7

RESISTANCE CHARACTERISTICS OF THE AL CLAD SHEET TO ATMOSPHERIC AGENTS ▸ TECHNICAL DATA	
UV resistance	>2000 hours 500 W/m² (Atlas Suntest XLS+ QUV, internal test)
Radiation resistance	>3.600.000 kJ/m²
Resistance to humidity	>2000 hours UVC (internal test)

K-FLEX® AL CLAD: RESISTANCE OF THE SURFACE TO AGGRESSIVE CHEMICALS ▸ TECHNICAL DATA					
Acids	acetic acid (max concentration) 50% formic acid 10% hydrochloric acid 30% hydrochloric acid 10% and 35% hydrofluoric acid 10% nitric acid 65% and 100% nitric acid 30% and 85% phosphoric acid 20% sulphuric acid	resistant resistant resistant partially resistant resistant resistant partially resistant resistant partially resistant	Hydrocarbons	Aliphatic hydrocarbon Benzene Petroleum Mineral oil Toluene Xylene	resistant resistant resistant resistant resistant resistant
Aldehydes	Acetaldehyde Formaldehyde	resistant resistant	Other organic substances	Acetone Ether	resistant resistant
Alcohols	Benzyl alcohol Cyclohexanol Ethyl alcohol Glycerine Glycol Isopropyl alcohol Methyl alcohol	partially resistant resistant resistant resistant resistant resistant resistant	Salt solutions	Bichromates Cyanides Fluorides	resistant resistant resistant
Alkaline solutions	Ammonium hydroxide Calcium hydroxide	partially resistant partially resistant	Esters	Ethyl acetate	resistant
Chlorinate solvents	Chloroform Trichloroethylene	partially resistant partially resistant			

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

GENERAL INFORMATION



K-FLEX® AL CLAD SYSTEM 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 SYSTEM 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 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

ACCESSORIES

Preformed K-FLEX® AL CLAD elbows

Preformed elastomeric K-FLEX® elbows coupled with AL CLAD foil

Preformed "T" connections with AL CLAD foil

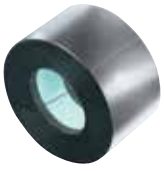
Preformed elastomeric K-FLEX® "T" connections coupled with AL CLAD foil

Preformed elastomeric K-FLEX® elbows

Preformed elastomeric K-FLEX® "T" section in standard sizes

AL CLAD foil, with or without adhesive

AL CLAD adhesive tape



K-FLEX® AL CLAD system pipe insulated supports

K-FLEX® AL CLAD system pipe insulated supports with collar