

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

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K-FLEX® ▶ AL CLAD SYSTEM

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

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	longitudinal	155 N/25 mm	ISO 527- 3
	transverse	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 Class 0		EN 13501-1 BS 476 Part 6/7

TECHNICAL DATA ▶

RESISTANCE CHARACTERISTICS OF THE AL CLAD SHEET TO ATMOSPHERIC AGENTS

UV resistance	>2000 hours 500 W/m ² (Atlas Suntest XLS+ QUV, internal test)
Radiation resistance	>3.600.000 kJ/m ²
Resistance to humidity	>2000 hours UVC (internal test)

TECHNICAL DATA ▶ AL CLAD: RESISTANCE OF THE SURFACE TO AGGRESSIVE CHEMICALS

Acids	acetic acid (max concentration)	resistant	Alkaline solutions	Ammonium hydroxide	partially resistant
	50% formic acid	resistant		Calcium hydroxide	partially resistant
	10% hydrochloric acid	resistant	Chlorinate solvents		Chloroform
	30% hydrochloric acid	partially resistant		Trichloroethylene	partially resistant
	10% and 35% hydrofluoric acid	resistant	Esters		Ethyl acetate
	10% nitric acid	resistant		Aliphatic hydrocarbon	resistant
	65% and 100% nitric acid	partially resistant	Benzene		resistant
	30% and 85% phosphoric acid	resistant		Hydrocarbons	Petroleum
20% sulphuric acid	partially resistant	Mineral oil	resistant		
Aldehydes	Acetaldehyde		resistant	Other organic substances	Toluene
	Formaldehyde	resistant	Xylene		resistant
Alcohols	Benzyl alcohol	partially resistant		Acetone	resistant
	Cyclohexanol	resistant	Ether		resistant
	Ethyl alcohol	resistant		Bichromates	resistant
	Glycerine	resistant	Salt solutions		Cyanides
	Glycol	resistant		Fluorides	resistant
	Isopropyl alcohol	resistant			
Methyl alcohol	resistant				

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

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INFO ▶ K-FLEX® AL CLAD SYSTEM



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.

PRODUCT RANGE ▶ K-FLEX® AL CLAD SYSTEM

	LENGTH	THICKNESSES	DIAMETERS
K-FLEX® AL CLAD SYSTEM Tubes	1 m	9-13-19-25-32-40-50 mm	from 15 to 160 mm

	THICKNESSES	HEIGHT
K-FLEX® AL CLAD SYSTEM Sheets	6-9-13-16-19-25-32-40-50 mm	1000/1500 mm
K-FLEX® AL CLAD SYSTEM Adhesive sheets	6-9-13-16-19-25-32-40-50 mm	1000/1500 mm

ACCESSORIES ▶ K-FLEX® AL CLAD SYSTEM

