

# K-FLEX® ST



## 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
- ▶ Class of reaction to fire euroclass B<sub>L</sub>-s2, d0
- ▶ Very fine closed cellular structure and high technical performance
- ▶ Resistant to mould, fungi and bacteria
- ▶ Light and flexible

Site



Video



## TECHNICAL DATA



| K-FLEX® ST ▶ TECHNICAL DATA              |   |                      |   |
|--|---|----------------------|---|
| Property ▼                               | Value ▼   |                      | Test method ▼   |
| Temperature range                        | K-FLEX® ST Tubes: from -165°C* to +110°C<br>K-FLEX® ST/SK: from -40°C to +85°C<br>K-FLEX® ST Sheets: from -165°C* to +85°C                                |                      | EN 14706<br>EN 14707                                      |
| Thermal conductivity $\lambda$ , W/(m•K) | Thicknesses $\leq$ 25mm   | Thicknesses $>$ 25mm | EN 12667<br>EN ISO 8497                                   |
|  | -20°C = 0,031   | -20°C = 0,034        |   |
|  | 0°C = 0,033   | 0°C = 0,036          |   |
|  | +20°C = 0,035   | +20°C = 0,038        |   |
|  | +40°C = 0,037   | +40°C = 0,040        |   |
| Corrosion prevention                     | pH neutral (7)  |                      | EN 13468  |
| Permeability $\mu$                       | $\geq$ 10000  | $\geq$ 7000          | EN 12086  |
| Fire rating                              | K-FLEX® ST Tubes: Euroclass B <sub>1</sub> -s2, d0<br>K-FLEX® ST/SK: Euroclass B <sub>1</sub> -s2, d0<br>K-FLEX® ST Sheets: Euroclass B-s3, d0<br>Class 0 |                      | EN 13501-1<br>EN 13501-1<br>EN 13501-1<br>BS 476 Part 6/7 |
| Ecological data                          | Without CFCs and HCFCs  |                      |   |
| Approvals                                | Environmental Product Declarations EPD<br>R1-HL2  |                      | UNI ISO 14025 & EN 15804:2012+A2:2019<br>EN 45545-2: 2013 |
|  | ECO-BAU and MINERGIE-ECO  |                      |   |
|  | CE-MARINE (Bureau Veritas)  |                      |   |
|  | ABS (American Bureau of Shipping)<br>Class 0  |                      |   |
|  | DNV<br>Lloyd's Register<br>UL94<br>FM Approval  |                      |   |

\* 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            |          | 3-6-10-13-19-25-32-40-50-60 mm | 1000/1500 mm      |
| K-FLEX® ST - Adhesive sheets   |          | 3-6-10-13-19-25-32-40-50 mm    | 1000/1500 mm      |

## GENERAL INFORMATION



### 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 TUBES with overlap

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 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.



## PROJECTS

Germany

