

# **K-FLEX<sup>®</sup>**

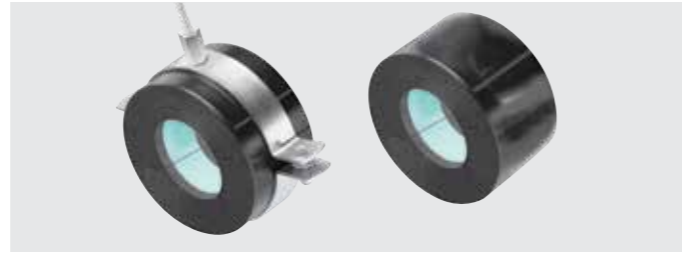
## **PIPE SUPPORT**



### **K-FLEX<sup>®</sup> PIPE SUPPORT**

- ▶ Research has shown that uninsulated pipe fittings are still a common thermal bridge on insulated pipe systems. Their effect is often underestimated. A finite element method analysis (FEM) on an insulated pipe section has shown that approximately 50% of the heat loss for the entire considered section is due to the lack of use of pipe supports. It is so easy to avoid thermal bridges. The solution is called K-FLEX<sup>®</sup> pipe support.

# K-FLEX® PIPE SUPPORTS



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/m <sup>3</sup>
Compression resistance	1350 kPa
Temperature range	-45 °C +105 °C
Thermal conductivity $\lambda$	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 gm <sup>2</sup> 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.

