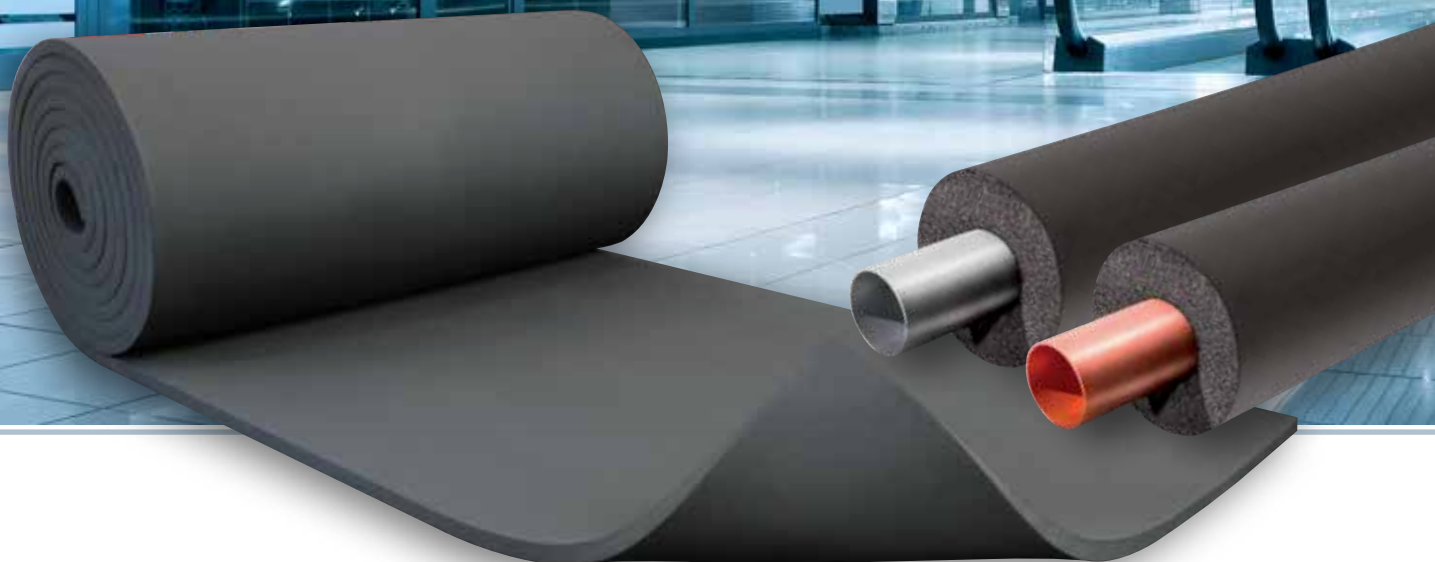


NEW: KaiCene®-Technology

Tubes uncoated

NEW: INCERAM®-Cladding

Sheets coated



kaiflex® *KK plus s1*

Uncompromising. Because safety comes first!

- Our new safety standard for busy public and commercial buildings
- Low smoke development and high flame retardancy provide additional personnel safety in the event of a fire
- Active fire protection, thanks to INCERAM-Cladding (sheets coated)
- Minimizes reliably energy loss
- Effectively prevents water vapour diffusion and thus maintains the systems long-lasting insulating effect
- Easy to use, thanks to KaiCene-Technology (tubes uncoated)
- High system reliability with pipe supports Kaifix PSplus s1, tape and glue



Kaiflex KKplus s1 Technical Data

Material		Elastomeric foam based on synthetic rubber. Flexible Elastomeric Foam (FEF) in acc. to EN 14304 Tubes uncoated (KaiCene-Technology), sheets with INCERAM-Cladding.	
Cell structure		Closed cell	
Colour		Black/Anthracite	
Upper temperature limit	Pipe Flat surfaces	+110 °C +85 °C	
Lower temperature limit		-50 °C (-200 °C)	See remark (1)
Thermal conductivity	λ_{θ} at -10 °C at 0 °C at +10 °C	$0,038 + 8,0 \cdot 10^{-5} \theta + 1,2 \cdot 10^{-7} \theta^2$ $\leq 0,037 \text{ W/(m-K)}$ $\leq 0,038 \text{ W/(m-K)}$ $\leq 0,039 \text{ W/(m-K)}$	Test acc. to DIN EN ISO 8497 DIN EN 12667
Water vapour permeability	Moisture resistance factor μ	≥ 10.000	Test acc. to DIN EN 13469 DIN EN 12086
Euroclass ^o	Tubes Sheets	B _L -s1, d0 B-s1, d0	Test acc. to DIN EN 13501-1
Practical fire behaviour		Self-extinguishing, no drips, does not support flame spread	
Fire resistance classification (DIN 4102-11) with rubber		R 90	(ABP) Nr.: P-MPA-E-14-001
Corrosion resistance		Satisfies requirements	In acc. with DIN 1988
Health aspects		Dust & fibre free Heavy metal (e.g. cadmium, lead) and formaldehyde free	
Resistance to	Mould and bacteria	No growth	In acc. with VDI 6022
Other attributes	pH-Value	CE marked Neutral	
Shelf life	Self-adhesive products	1 year	Store in a dry room at a typical relative humidity (between 50 % and 70 %) and room temperature (between 0 °C and +35 °C)
Tolerances		In acc. with DIN EN 14304:2013-04	
Outdoor applications		Needs protection against UV-radiation	See remark (2)

Remark (1) For temperatures below -50 °C please contact our Technical Support Team for advice.

Remark (2) To protect against UV-induced deterioration Kaiflex should be either painted using Kaifinish Color paint or covered with a suitable UV resistant cladding system within 3 days of being installed outdoors.

^o The Euroclass rating applies to metallic or solid mineral substrates.

