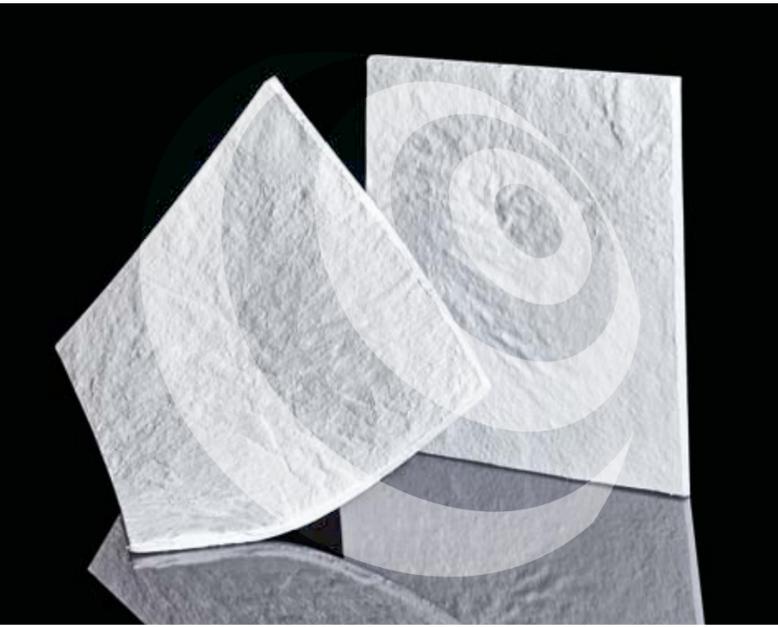


AEROGEL SUPER-INSULATION BLANKETS



Main Properties

- ▶ Low thermal conductivity
- ▶ No glass transition temperature
- ▶ Excellent thermal shock resistance
- ▶ Low thermal expansion
- ▶ Highly hydrophobic
- ▶ Oleophilic
- ▶ Low density
- ▶ Low dielectric constant
- ▶ Energy Saving
- ▶ Cost effective
- ▶ Design freedom

Our silica based aerogels are synthetic, porous and ultralight, offering a combination of properties that render the aerogels as an excellent solution for a variety of applications.

SILFLEX is a super-insulation flexible panel that can be easily cut, rolled and shaped for application on odd geometries.

This product presents lower particle shedding when compared with other aerogel panel products making Silflex easier to install.

SILFLEX can further be used for oil-spill remediation and wastewater treatment, namely for adsorption of phenolic compounds and hydrocarbons removal.

Applications

SILFLEX main applications include:

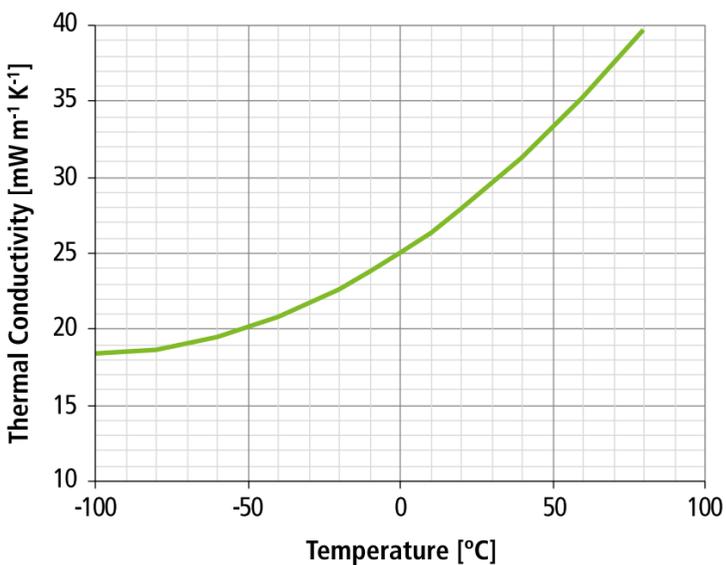
- ▶ Pipework systems (liquid and gas transport)
- ▶ Storage tanks
- ▶ Dewars
- ▶ Process equipment – industrial process components
- ▶ Building insulation
- ▶ HVAC systems
- ▶ Major kitchen appliances
- ▶ Oil-spill remediation and wastewater treatment

Size range

SILFLEX is available in 2 sizes:

- ▶ 300x300x10 (mm)
- ▶ 875x500x10 (mm)

Thermal conductivity EN12667



Physical Properties

Density [kg m ⁻³]	130 ± 10
Thickness [mm]	8 – 30
Service temperature [°C]	-196 to 350
Thermal conductivity [mW m ⁻¹ K ⁻¹] Atmospheric pressure, 10 °C EN 12667:2001, HFM 436/3/1 Lambda, NETZSCH	24.9
Crude oil absorption	10x its weight
Hydrophobic	✓

