

# SILTHERM



## AeroFlex-----The Most Magical Material Changing Our World

The ever known lightest materials in the world, as well as the best super insulating products

Aeroflex is a high-temperature insulation blanket formed of silica aerogel and reinforced with a non-woven, glass-fiber batting.

Siltherm Aeroflex possess the lowest thermal conductivity of any known solid.

Aeroflex achieves this industry-leading thermal performance in a flexible, environmentally safe, and easy-to-use product.

Aeroflex is an Ideal for insulating piping, vessels, tanks, and equipments.

Aeroflex is an essential material for those seeking the ultimate in thermal efficiency.



使用温度 Service Temperature(°C)	-200--400	-200--600
产品厚度 Thickness(mm)	6,10	10
密度 Density(kg/m <sup>3</sup> )	200 ± 20	
导热系数 Thermal conductivity(25°C,W/m-K)	≤0.020	
产品幅宽 Width of product	根据用户需要 According to user requirements	
颜色 Color	白色 White	



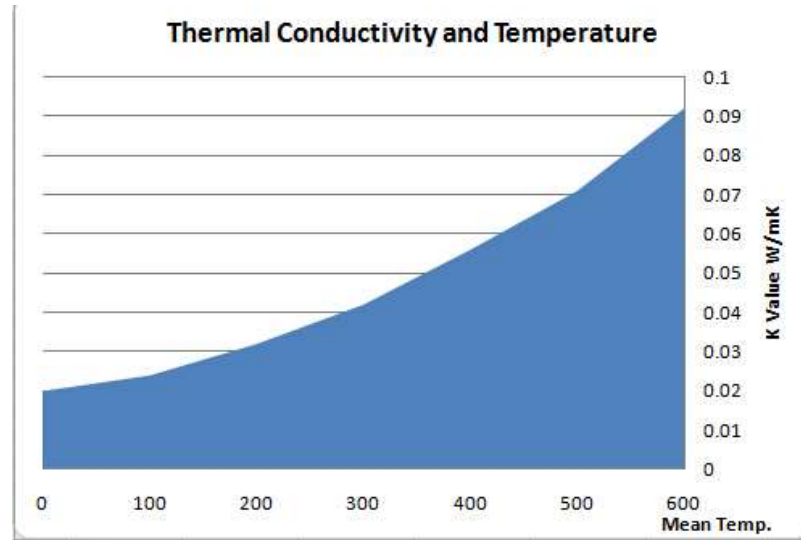
Product Grade	Thickness	
	6mm	10mm
Aeroflex 400	1.5 x 34 m / Roll	1.5 x 25 m / Roll
Aeroflex 600	×	1.2 x 10 m / Roll

### Application Field

Aeroflex can be used for petroleum ,chemical industry , power stations, piping solutions ,and equipments insulation , at same time , it also is an ideal insulation solutions for aeronautics and astronautics fields.

### Advantages it can bring

- 4-5 times better performance than conventional insulation
- Silm and fitted insulation thickness
- Flexible and versatile shapes choices
- Easy and efficient installation
- Highly compressive strength
- Environmentally safe
- Respirable fibres free



Mean Temp.	0	100	200	300	400	500	600
K Value W/mK	0.02	0.024	0.032	0.042	0.056	0.071	0.092

## AeroFlex Thermal Insulation Felts

