

Siltherm Pipe

Rigid Microporous Insulation

Siltherm Pipe is a rigid, high integrity microporous pipe section offering superior insulation properties combined with good handleability.

Produced from an opacified blend of pyrogenic silica with a filament reinforcement, it is available in a 1000 grade and is enhanced in a variety of coverings, such as glass fibre, glass fibre cloth or aluminium encapsulation.

Features and Benefits

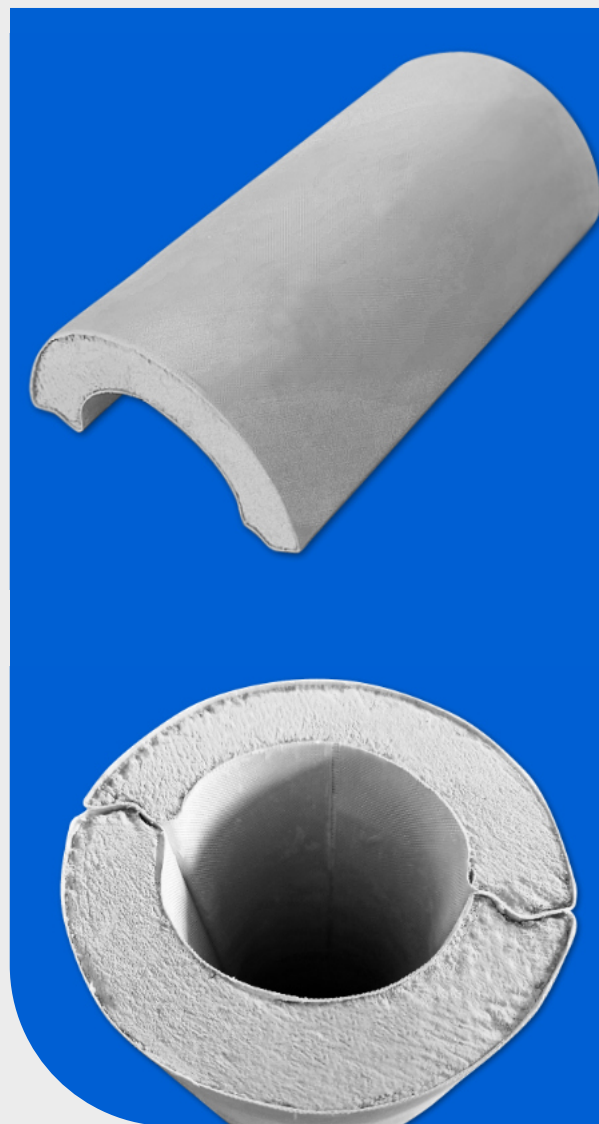
- Extremely low thermal conductivity over a wide temperature range
- High thermal stability
- Low shrinkage
- Low in weight
- Wide range of sizes available to order
- Can be manufactured into fabricated elbows and bends
- Inorganic and non-combustible
- Simple to handle
- No harmful respirable fibres
- Environmentally friendly
- Resistant to most chemicals

Cutting and Fixing

Siltherm Pipe is available in different lengths and can be joined together, cut to length as required and fixed in the same way as with other similar insulation materials.

Typical Applications

- *Oil and Gas and Power Generation*
Process Piping



Technical Specification

Product Pipe			
Classification Temperature		°C	1000
Nominal Density		kg/m ³	280
Thermal Conductivity*	200 °C	W/m.K	0.022
*Core tested according to ASTM C 177 : 2013	400 °C	W/m.K	0.023
	600 °C	W/m.K	0.027
	800 °C	W/m.K	0.034
Specific Heat Capacity			
	200 °C	kJ/kg.K	0.86
	400 °C	kJ/kg.K	0.94
	600 °C	kJ/kg.K	0.96
	800 °C	kJ/kg.K	0.99
Linear Shrinkage	24h full soak @ 950 °C	%	≤2.5

Standard Dimension and Format Availability*

Product Pipe	Length (mm)	Inside Diameter (mm, inch)		Wall Thickness Minimum (mm)
	500	62	2	25
	500	78	2 ½	25
	500	91	3	25
	500	102	3 ½	25
	500	116	4	25
	500	127	4 ½	25
Length Tolerance	+/- 3			
Wall Thickness Tolerance				+/- 1

* Other sizes and stitch centres available upon request

Siltherm products offer a realistic alternative to other lightweight insulations

Siltherm products offer a **realistic alternative** compared to other lightweight insulation solutions, such as low density calcium silicate, AES fibres or mineral wool based blankets. The thermal resistance provided by Siltherm products is a **cost competitive alternative** to the other lightweight insulation solutions on the market, whilst also delivering benefits in terms of space optimisation and reduced weight



Siltherm Group Holdings Ltd

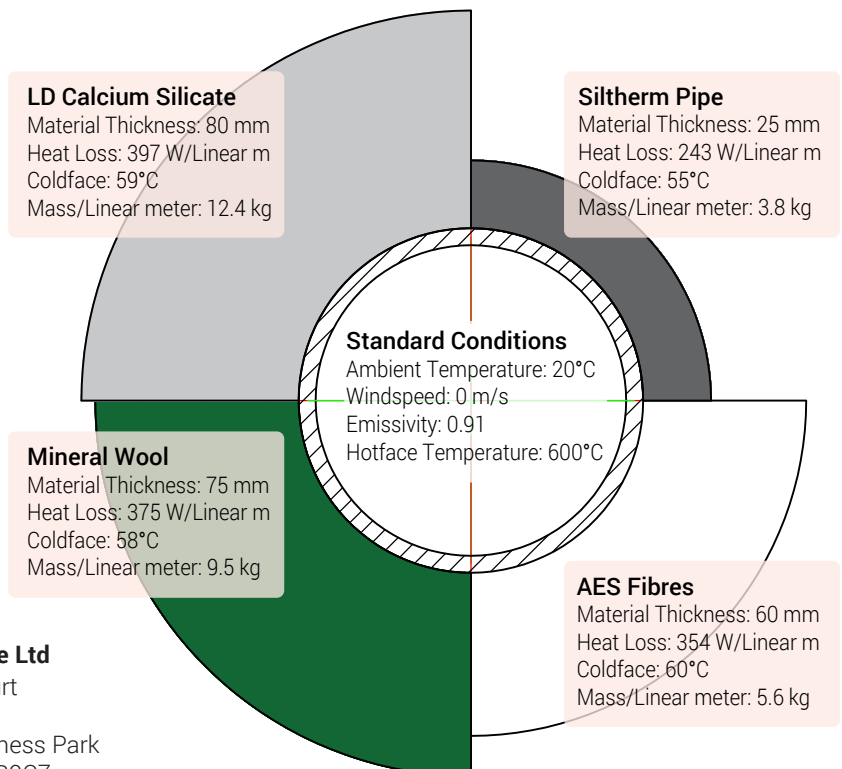
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