Data Sheet

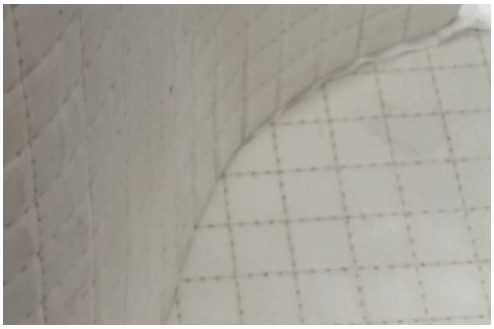
ISOFLEX 25
ISOFLEX 50

Characteristics

ISOFLEX 25 o ISOFLEX 50 is an insulating material based on a microporous core with a very low thermal conductivity and thus, very high insulation properties.

In addition, due to the overstitching, it is 3D flexible and can be used to insulate nearly any available shape.

It is based mainly in pyrogenic silica, opacifiers to reduce radiation and fibres as reinforcers.



Geometry

Standard dimensions

- Maximum 1000 x 600 mm
- Minimum 250 x 150 mm
- Standard 1000 x 600 mm

Cell size available

- ISOFLEX25: 25 x 25 mm
- ISOFLEX50: 50 x 50mm

Standard thickness

- 3mm, 5mm, 10mm

Tolerances

Width (mm)	Length (mm)
±3	±3
Thickness (mm)	**Tolerances**
3-10	±0,5

Safety instructions

The materials used are not dangerous for humans or environment following the European directive UE2006/1907/EEC. The fibres used in the core have a diameter >3µm.

Core Composition

- SiO_2 (NON CRIYTALLINE) aprox 50-90%
- SiC aprox 8-49%
- Others aprox 1-6%

Lifespan

If properly stored, the lifespan of the panel has no expiring date.

It is recommended to store the panel in a dry environment.

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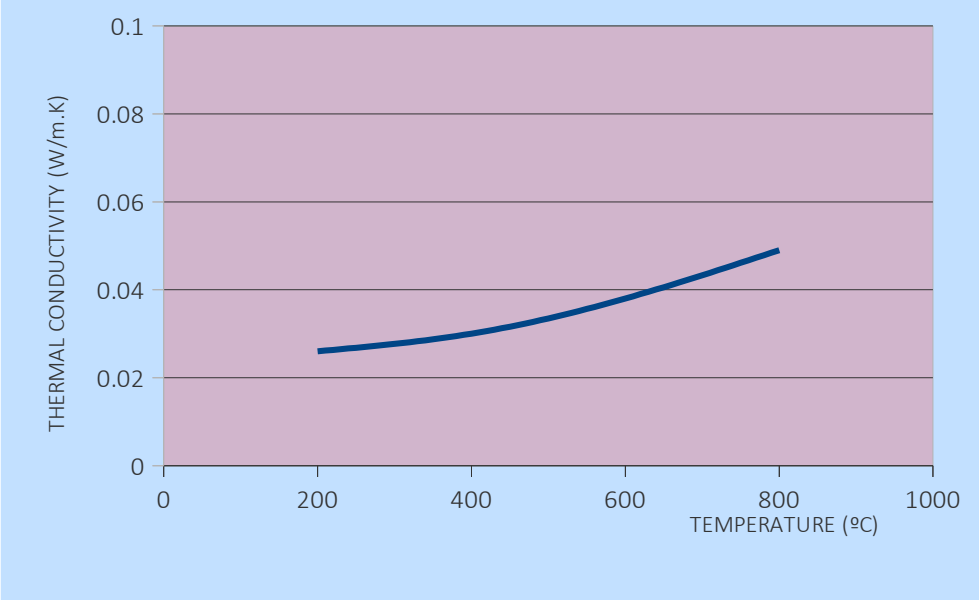
Product data

Color		White
Maximum working temperature	ºC	1000
Density	kg/m^3	220-300
Non combustibility test		Classification A1
Thermal conductivity (ISO 8302, ASTM C177)		
a 200ºC	W/m.K	0,026
a 400ºC	W/m.K	0,030
a 600ºC	W/m.K	0,038
a 800ºC	W/m.K	0,049

Thermal conductivity Graph (ISO 8302, ASTM C177)



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