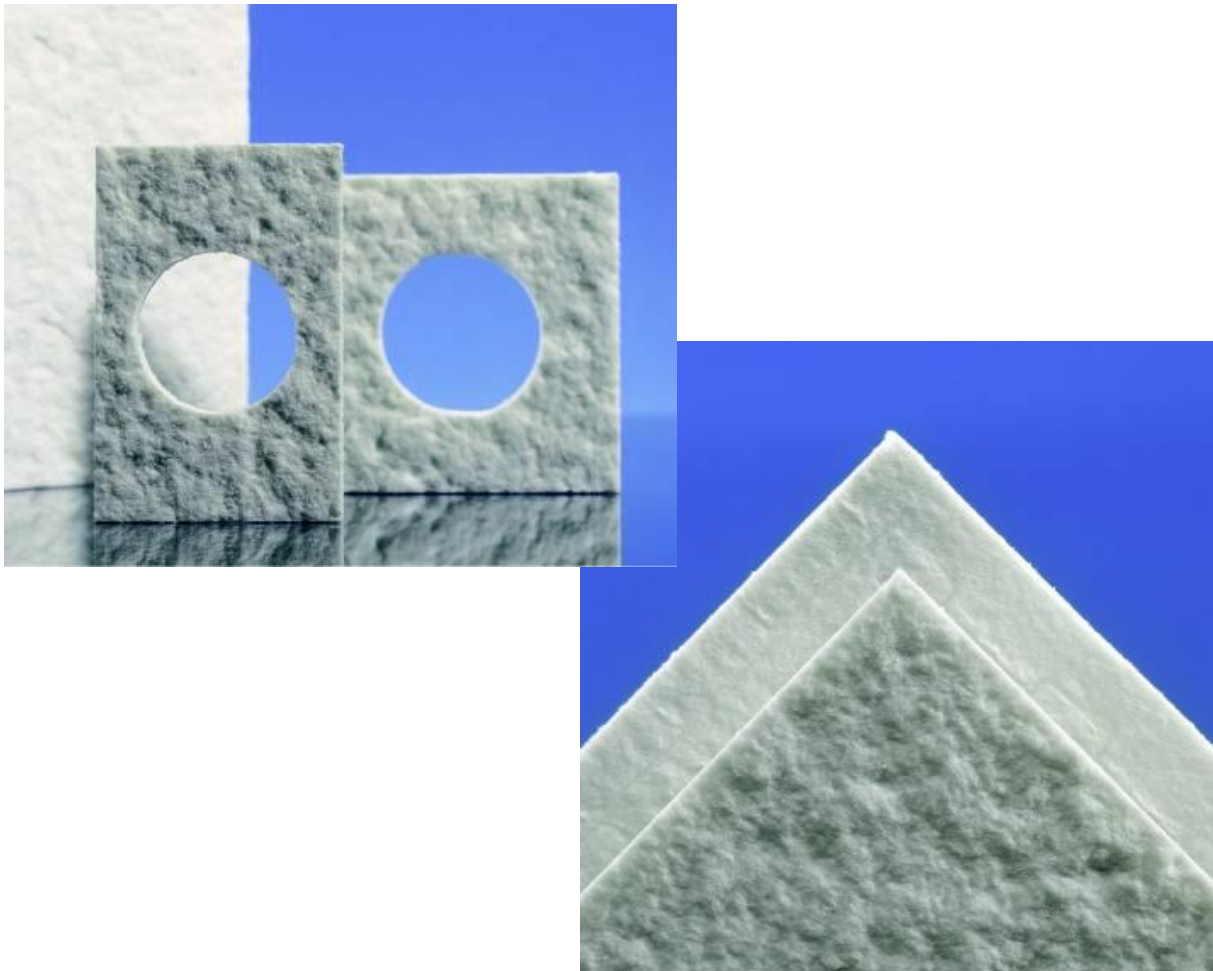


## Iso-Felt

### Information

#### Description

Iso-felt plates are manufactured of man-made calcium-magnesium-silicate fibres and are the ideal solution for high-temperature applications because of their physical properties. The high-temperature fibre has an excellent bio-solubility.



#### Application

Iso-felt has many fields of application: Primarily insulation, fire protection and sealing. For example: lining of furnaces and combustion chambers, coatings, welding and annealing protections, sealing of doors, insulating of containers, processing plants etc.

## Technical Data

### Physical properties

Colour:	white/beige
Melting point:	> 1330°C
Classification temperature:	1100°C
Fibre diameter (mean value):	3,2 µm
Density:	170 - 270 kg/m <sup>3</sup>

### Chemical Analysis

wt.%

SiO <sub>2</sub>	61 - 67 %
CaO	27 - 33 %
MgO	2,5 - 6,5 %
Al <sub>2</sub> O <sub>3</sub>	< 1 %
Fe <sub>2</sub> O <sub>3</sub>	< 0,6 %

### Thermal Conductivity

(W/mK)

400 °C mean temperature	0,08
600 °C mean temperature	0,10
800 °C mean temperature	0,15
1000 °C mean temperature	0,20

### Permanent Linear Shrinkage after 24 hours

1200 °C	< 4,0 %
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### Availability

Plates:	Width:	1000 mm
	Length:	1250 mm
	Thickness:	6 · 9 · 12 · 18 mm

(Thickness range of tolerance: + / - 10 %)

Special dimensions, strips, cut-to-size or die-cut parts on request.  
One-sided aluminum foil lamination or self-adhesive equipment is possible.

### Miscellaneous

A Material Safety Datasheet is available.

Information, details, and data of our brochure are according to the best of our knowledge, if possible proved by tests and are for information only. We recommend tests according to your specific conditions. Be assured that our technical and commercial department will be at your service at all times.

10/2023