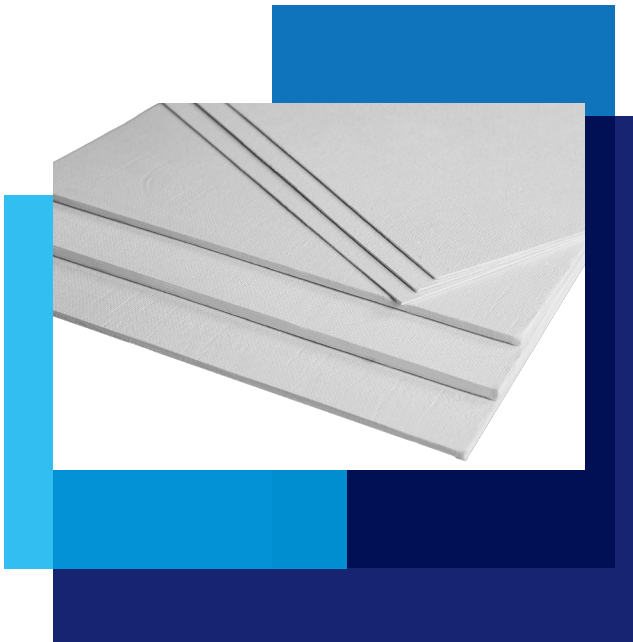


DALFRATHERM®-1430 ZR FELT

Technical data sheet



Product description

DALFRATHERM®-1430 ZR felt products are soft vacuum-formed felts and boards and are based on aluminium silicate wool.

The lightweight homogeneous insulating material with high permanent temperature resistance, low thermal conductivity, high thermal shock resistance and chemical resistance offers economical application possibilities for technically ambitious high temperature applications.

TECHNICAL DATA

Grade		RCF
Colour		off-white
Classification temperature	°C	1430
Continuous use temperature	°C	1300
Density (GB/T 17911)	kg/m ³	160
Tensile strength (GB/T 17911)	kPa	≥ 100
Linear shrinkage (GB/T 17911) 24h@1100°C	%	< 3
Thermal conductivity (GB/T 16400)		
200°C	W/m.K	0,07
400°C	W/m.K	0,11
600°C	W/m.K	0,14
800°C	W/m.K	0,21
1000°C	W/m.K	0,29
Chemical composition after firing (GB/T 21114)		
SiO ₂	%	48 - 51
Al ₂ O ₃	%	34 - 37
ZrO ₂	%	14 - 17
Fe ₂ O ₃	%	< 0,2
Other	%	< 0,25
Loss on Ignition (GB/T 6900)	%	< 6

DELIVERY SIZES

Length (mm)	Width (mm)	Thickness (mm)
1200	600	6
1200	600	13
1200	600	25

Not all thickness are available as standard

Application area

- Filling material in expansion joints
- High temperature sealings
- Fire-resistant covers
- Melting and holding crucibles (rear lining material)
- Gaskets

Properties & benefits

- High fibre index
- Low shot technology
- Excellent insulation performance
- Excellent thermal stability
- Insensitive to thermal shocks
- High handling strength
- Good dimensional tolerances and stability after thermal application
- Smooth surface and low dust
- Excellent machinability

Working & processing

DALFRATHERM®-1430 ZR felt can be worked extremely clean and accurate to size with all woodworking machines and tools. When working and processing high temperature wool products, the Technical Regulations for Hazardous Materials (TRGS 558) must be observed.

Dust is produced during procession. Dust can be harmful to the health. Avoid contact with eyes and skin. Do not breathe in the dust. Dust should be removed by suction. The dust limits are to be adhered to. See product safety information sheet.

Sustainability

Our world has changed in the past few decades with reduced CO2 emissions and energy consumption as the key drivers. Therefore focus must be on the most effective methods of saving energy.

A high performance insulation lining (such as DALFRATHERM) for the technical installation not only saves energy but also provides energy bill savings, avoids heat loss and demands less power.

All specified technical data are mean values from the production which are subject to the usual fluctuations and do not represent guaranteed properties in the sense of a guarantee. All information corresponds to the current state of the art and has been presented and described to the best of our knowledge. Changes due to new findings are possible, errors and misprints are not excluded. With regard to any liability, our delivery and payment terms apply exclusively. Request safety datasheet. With the publication of this edition, all previously published datasheets are invalid. © Copyright Etex NV, Brussels, Belgium. All rights reserved. 2022-02

Etex Industry c/o Microtherm N.V., Industriepark-Noord 1, 9100 Sint-Niklaas, Belgium | T +32 (0)3 760 19 80 | F +32 (0)3 760 19 99
industry@promat.com | www.promat.com/industry