

## DALFRATHERM®-1430 ZR BLANKET

### Technical data sheet



#### Product description

DALFRATHERM®-1430 ZR blankets share the Ultra Low Shot technology with the DALFRATHERM®-1200 ULS blankets, providing high handling strength, exceptional thermal insulating performance and reversible flexibility after compression.

DALFRATHERM®-1430 ZR blankets are available in a wide range of dimensions and densities. All products have been developed to meet requirements specific for the final application.

#### TECHNICAL DATA

<b>Grade</b>		RCF	
<b>Colour</b>		white	
<b>Classification temperature</b>	°C	1430	
<b>Continuous use temperature</b>	°C	1300	
<b>Density (EN 1094-4)</b>	kg/m <sup>3</sup>	96	128
<b>Tensile strength (GB/T 17911)</b>	kPa	65	90
<b>Linear shrinkage (GB/T 17911)</b>			
12h@1200°C	%	< 2	
12h@1400°C	%	< 3,5	
<b>Thermal conductivity (ASTM C201)</b>			
200°C	W/m.K	0,06	0,05
400°C	W/m.K	0,10	0,09
600°C	W/m.K	0,15	0,13
800°C	W/m.K	0,21	0,18
1000°C	W/m.K	0,29	0,25
1200°C	W/m.K	-	-
<b>Chemical composition (GB/T 21114)</b>			
SiO <sub>2</sub>	%	48 - 51	
Al <sub>2</sub> O <sub>3</sub>	%	34 - 37	
ZrO <sub>2</sub>	%	14 - 17	
Fe <sub>2</sub> O <sub>3</sub>	%	< 0,2	
Others	%	< 0,25	

### DELIVERY SIZES

Length (mm)	Width (mm)	Thickness (mm)
5500	610	6
14640	610	13
9760	610	19
7320	610	25
4880	610	38
3660	610	50

Not all thickness are available as standard

### Application area

- Thermal insulation for furnace lining
- Thermal insulation for lining stacks and chimneys
- Blanket for module making
- Furnace lining in Ceramics and Glass
- Thermal insulation for Petrochemical Industry
- Thermal insulation for Steel Treatment
- General technical insulation of furnaces and technical installations

### Properties & benefits

- Proven technical solution
- Low shot technology
- Excellent insulation performance
- High handling strength
- Unaffected by most chemicals
- Excellent thermal stability
- Resistant to thermal shock

### Working & processing

DALFRATHERM®-1430 ZR blanket can be easily cut and processed with conventional tools. Suitable items are knives with a serrated edge, band saws and punching machines. 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

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