

DALFRATHERM®-1430 CR BLANKET

Technical data sheet



Product description

What makes the DALFRATHERM®-1430 CR blanket different from other RCF blankets? It provides the highest classification and continuous use temperature of all melt/spun fibers using Chromium Oxide and further microcrystalline processing during production. With a classification temperature of 1430°C it is recommended for use up till 1350°C. It is unaffected by most chemicals and can be used in the most severe operating conditions.

A high performance insulation lining, made out of DALFRATHERM®-1430 CR blankets for the technical installation, not only saves energy but also provides energy bill savings, avoids heat loss and demands less power.

DALFRATHERM®-1430 CR blankets have been developed to meet requirements specific for the final application.

TECHNICAL DATA

Grade		RCF
Colour		Green / Blue
Classification temperature	°C	1430
Continuous use temperature	°C	1350
Density (EN 1094-4)	kg/m ³	128
Tensile strength (GB/T 17911)	kPa	90
Linear shrinkage (GB/T 17911)		
12h@1100°C	%	
12h@1200°C	%	< 2
12h@1400°C	%	< 3
Thermal conductivity (ASTM C201)		
200°C	W/m.K	0,06
400°C	W/m.K	0,10
600°C	W/m.K	0,13
800°C	W/m.K	0,19
1000°C	W/m.K	0,27
1200°C	W/m.K	-
Chemical composition (GB/T 21114)		
SiO ₂	%	51-54
Al ₂ O ₃	%	43-46
Cr ₂ O ₃	%	2,5 - 3
Others	%	< 0,45

DELIVERY SIZES

Length (mm)	Width (mm)	Thickness (mm)
14640	610	13
7320	610	25

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
- Chemically stable 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 CR 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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