

# DALFRATHERM<sup>®</sup>-1430 ZR BULK

## Technical data sheet



### Product description

All products in the DALFRATHERM<sup>®</sup> RCF Bulk product range share the Ultra Low Shot technology with the DALFRATHERM<sup>®</sup>-1200 ULS bulk, achieving the highest possible thermal insulation value and higher yield in secondary processing

With the addition of Zirconia, DALFRATHERM<sup>®</sup>-1430 ZR provides a proven solution up to temperatures of 1300°C.

### TECHNICAL DATA

<b>Grade</b>		RCF
<b>Colour</b>		white
<b>Classification temperature</b>	°C	1430
<b>Continuous use temperature</b>	°C	1300
<b>Beaker value (fibre length)</b>		
Chopped	ml	100
Short	ml	300
Long	ml	700
<b>Mean Fibre Diameter</b>	µm	2 - 4
<b>Shot Content (JetSieve)</b>	> 45µm	<45%
<b>Chemical composition (GB/T 21114)</b>		
SiO <sub>2</sub>	%	46 - 50
Al <sub>2</sub> O <sub>3</sub>	%	33 - 37
ZrO <sub>2</sub>	%	13 - 17
Fe <sub>2</sub> O <sub>3</sub>	%	< 0,2
Na <sub>2</sub> O + K <sub>2</sub> O	%	-
Others	%	< 0,25

### DELIVERY SIZES

#### Different Bulk Types

Lubricated	used for yarn/ textile, joint filler
Unlubricated	used for mastics, vacuum forming

#### Different Bulk Styles

Chopped	used for high density VF shapes, mastics	(18 kg/bag)
Short	standard VF manufacturing and mastics	(15 kg/bag)
Long	void/joint fillers, dry injected fibers and textiles	(12 kg/bag)

DALFRATHERM® -1200 ULS Bulk is supplied in plastic bags on pallets to maximize the quantity per container. Not all types and styles are available as standard

### Application area

- Raw material for Vacuum Forming proces
- Raw material for insulating castables, mastics and coatings
- Filling and stuffing of voids and gaps in furnace lining
- Injected/blown fibre in double wall chimneysand
- Long fibres for yarn production (textiles)
- General technical insulation of furnaces and technical installations

### Yield

In many applications the effect of shot in bulk fibre is underestimated. In Vacuum Forming and Mastic making the shot is typically sinking in the liquid mixture, resulting in less volume per kg of bulk fibre. With the Ultra Low Shot technology we typically improve the yield by 15-30 % compared to previous generations.

### Working & processing

The filling of cavities for heat insulation can be carried out with DALFRATHERM®-1200 ULS bulk. The material is easy to plug and should be compressed to approximately half of the initial volume (approx. 130 kg/m).

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 data sheet.

### 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

### 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. 2022-01

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