

# Promat



Technical Data Sheet

BULK (RCF)

## DALFRATHERM<sup>®</sup>-1260 HYBRID

## DALFRATHERM<sup>®</sup>-1430 ZR

DALFRATHERM® RCF Bulk product range consist of 2 grades of Refractory Ceramic Fibre Bulk fibres: DALFRATHERM®-1260 HYBRID and DALFRATHERM®-1430 ZR.

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

## Typical applications

- 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 chimneys
- Long fibres for yarn production (textiles)
- General technical insulation of furnaces and technical installations

## Benefits

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

### DALFRATHERM®-1260 HYBRID

DALFRATHERM®-1260 HYBRID is setting a new standard for a classical RCF bulk fibre. It is not the standard Koalin based fibre, neither it is the standard Alumina/Sillica fibre. As it is the best of both worlds, we called it HYBRID.

### DALFRATHERM®-1430 ZR

With the addition of Zirconia, the DALFRATHERM®-1430 ZR provides a proven solution in applications operating to temperatures of 1300°C.

#### Different Bulk Types

*Lubricated* - used for yarn/ textile, joint filler

*Unlubricated* - used for mastics, vacuum formed

*Chopped* - used for high density VF shapes, mastics

#### Type

Bulk from high temperature Refractory Ceramic Fiber insulation wool.

#### Temperature range

DALFRATHERM®-1260 HYBRID bulk has a classification temperature of 1260°C and is recommended for continuous use up to 1100°C in clean oxidizing atmospheres.

DALFRATHERM®-1430 ZR bulk has a classification temperature of 1430°C and is recommended for continuous use up to 1300°C in clean oxidizing atmospheres.



		-1260 HYBRID	-1430 ZR	
<b>Grade</b>		RCF		
<b>Colour</b>		Off-white	White	
<b>Classification temperature</b>	°C (°F)	1260°C (2300°F)	1430°C (2606°F)	
<b>Continuous use temperature</b>	°C (°F)	1100°C (2012°F)	1300°C (2372°F)	
<b>Beaker value</b> (fibre length)	ml			
Chopped		100		
Short		300		
Long		700		
<b>Mean Fibre Diameter</b>	µm	2-4		
<b>Shot Content</b>	JetSieve	> 45µm	<42%	<45%
<b>Chemical composition</b>	GB/T 21114	%		
SiO <sub>2</sub>			53 - 55	46-50
Al <sub>2</sub> O <sub>3</sub>			44-46	33-37
ZrO <sub>2</sub>			-	13-17
Fe <sub>2</sub> O <sub>3</sub>			< 0,6	< 0,2
Na <sub>2</sub> O + K <sub>2</sub> O			< 0,4	-
Others			-	< 0,25

### 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.

### Specification

DALFRATHERM® RCF Bulk is offered in various chemical compositions, types and styles. Typically it is very important to match the fibre to the application.

For that reason, please always consult the type of bulk fibre prior to ordering. This will ensure the highest levels of satisfaction in the supplied product.

### Availability

DALFRATHERM® RCF Bulk is standard supplied in plastic bags on pallets to maximize the quantity per container.

### Product range

DALFRATHERM® RCF Bulk is part of an extensive product range supplied by PROMAT. Please consult our website.

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