

DALFRATHERM®-1430 ZR PAPER

Technical data sheet



Product description

As a result of the Ultra Low Shot technology, DALFRATHERM®-1430 ZR paper has a very smooth surface, close dimensional tolerances, exceptionally low dust, high handling strength, exceptional thermal insulating performance and retains reversible flexibility after compression.

DALFRATHERM®-1430 ZR paper is produced from DALFRATHERM®-1430 ZR bulk and special selected fillers.

Jumbo size rolls are ideal for die-cut gaskets which can be used in the automotive- and domestic appliances industry minimizing cutting waste.

Standard rolls are ideal for use in industrial furnaces like expansion joints for insulating firebrick of castable linings.

DALFRATHERM® paper is available in a wide range of dimensions. All products have been developed to meet requirements specific for the final application.

TECHNICAL DATA

Grade		RCF
Colour		white
Classification temperature	°C	1430
Continuous use temperature	°C	1300
Density (EN 1094-4)	kg/m ³	190 - 210
Linear shrinkage (GB/T 17911) 12h@1200 C°	%	< 2
Thermal conductivity (ASTM C201)		
200°C	W/m.K	0,06
400°C	W/m.K	0,09
600°C	W/m.K	0,13
800°C	W/m.K	0,19
1000°C	W/m.K	0,26
Chemical composition (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	%	7

DELIVERY SIZES

Standard rolls		Jumbo rolls		Thickness (mm)
Length (mm)	Width (mm)	Length (mm)	Width (mm)	
60000	610	200000	1220	1
30000	610	135000	1220	2
20000	610	90000	1220	3
15000	610	68000	1220	4
12000	610	54000	1220	5
10000	610	45000	1220	6

Not all thickness are available as standard

Application area

- Filler for expansion joints between pre-casted shapes and IFB linings
- Gasket for domestic appliances
- Thermal insulation in automotive heat shields
- General technical insulation of furnaces and technical installations

Properties & benefits

- High fibre index
- Low shot technology
- Excellent insulation performance
- High handling strength
- Close dimensional tolerance
- Smooth surface and low dust
- Easy die-cutting for high temperature gaskets
- Excellent thermal stability

Working & processing

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

Dust is produced during procession. 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 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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