

DALFRATHERM®-1200 ULS PAPER

Technical data sheet



Product description

DALFRATHERM®-1200 ULS 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®-1200 ULS paper is very flexible and resistant to tearing and particularly suited to all applications requiring further processing (laminated composites, die-cutting, rolling, folding).

The organic binder burns out on the first firing at approximately 300°C. Some smoke and odor could be produced.

The paper rolls are ideal to use in industrial furnaces. Its non-wetting properties make it an ideal product for use in contact with molten aluminium.

DALFRATHERM®-1200 ULS paper is available in a wide range of dimensions and densities. All products have been developed to meet requirements specific for the final application.

TECHNICAL DATA

Grade	AES, low biopersistence	
Colour	white	
Classification temperature	°C	1200
Continuous use temperature	°C	1050
Density (EN 1094-4)	kg/m ³	190 - 210
Tensile strength (GB/T 17911)		
Thickness 1 - 4 mm	kPa	> 400
Thickness 5 - 10 mm	kPa	> 650
Linear shrinkage (GB/T 17911)		
12h@1100 C°	%	< 2
Thermal conductivity (ASTM C201)		
200°C	W/m.K	0,05
400°C	W/m.K	0,07
600°C	W/m.K	0,10
800°C	W/m.K	0,13
1000°C	W/m.K	0,19
Chemical composition (GB/T 21114)		
SiO ₂	%	63-68
CaO	%	26-33
MgO	%	3-7
Other	%	<0,8

DELIVERY SIZES

Standard rolls			Jumbo rolls		Thickness (mm)
Length (mm)	Width (mm)	Width (mm)	Length (m)	Width (m)	
60000	610	/	360	1,2	1
/	/	/	240	1,2	1,5
30000	610	1220	180	1,2	2
20000	610	1220	120	1,2	3
15000	610	/	90	1,2	4
12000	610	1220	72	1,2	5
10000	610	/	60	1,2	6
8500	610	/	/	/	7
7500	610	/	45	1,2	8
6500	610	/	/	/	9
6000	610	/	36	1,2	10

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
- Non-ferrous molten metal handling
- 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
- Smooth surface and low dust
- Excellent thermal stability

Working & processing

DALFRATHERM®-1200 ULS paper can be 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 (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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