

DALFRATHERM®-1200 ULS BLANKET

Technical data sheet



Product description

As a result of the Ultra Low Shot technology, DALFRATHERM®-1200 ULS blankets provide high handling strength, exceptional thermal insulating performance and reversible flexibility after compression.

DALFRATHERM®-1200 ULS blankets are 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	64	96	128
Tensile strength (GB/T 17911)	kPa	35	55	75
Linear shrinkage (GB/T 17911)				
12h@1100°C	%	< 3		
12h@1200°C	%			
12h@1400°C	%			
Thermal conductivity (ASTM C201)				
200°C	W/m.K	0,06	0,05	0,05
400°C	W/m.K	0,11	0,09	0,08
600°C	W/m.K	0,17	0,14	0,12
800°C	W/m.K	0,27	0,21	0,18
1000°C	W/m.K	0,39	0,29	0,25
1200°C	W/m.K	-	-	-
Chemical composition (GB/T 21114)				
SiO ₂	%	63-68		
CaO	%	26-33		
MgO	%	3-7		
Others	%	< 0,8		

DELIVERY SIZES

Length (mm)	Width (mm)	Thickness (mm)
14640	610	13
9760	610	19
7320	610	25
5500	610	6
4880	610	38
3660	610	50

Not all thickness are available as standard

Application area

- Thermal insulation for furnace lining
- Thermal insulation for lining stacks and chimneys
- Thermal protection cover in aluminum industry
- HRSG thermal liner for boiler and ducting
- Exhaust heat shields for automotive
- General technical insulation of furnaces and technical installations.

Properties & benefits

- High fibre index
- Low shot technology
- Excellent insulation performance
- High handling strength
- Low heat storage
- Excellent thermal stability

Working & processing

DALFRATHERM®-1200 ULS blanket can be cut and processed with conventional tools. Suitable items are knives with serrated edge, band saws and punching machines.

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.

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

Etex Industry c/o Microtherm N.V., Industriepark-Noord 1, 9100 Sint-Niklaas, Belgium | T +32 (0)3 760 19 80 | F +32 (0)3 760 19 99
industry@promat.com | www.promat.com/industry