

# DALFRATHERM®-1200 ULS BOARD

## Technical data sheet



### Product description

The DALFRATHERM®-1200 ULS board is our general purpose high temperature board manufactured from low bio persistence (AES) fiber and carefully selected fillers to deliver high strength and performance in refractory linings. Another popular application is its use in domestic boilers.

All products in the DALFRATHERM® ULS product range meet the requirements specified under NOTE Q of European Regulation 1272/2008. DALFRATHERM® ULS products are exonerated from labelling requirements in Europe.

The DALFRATHERM® ULS low bio persistence range is complimented by an extensive range of refractory ceramic fiber (RCF) Boards and a range of Special Grade Boards delivering High Strength or, when based on PCW.

### TECHNICAL DATA

<b>Grade</b>	AES, low biopersistence	
<b>Colour</b>	white	
<b>Classification temperature</b>	°C	1200
<b>Continuous use temperature</b>	°C	1050
<b>Density (EN 1094-4)</b>	kg/m <sup>3</sup>	320
<b>Compressive strength (GB/T 5072) (unfired; &lt;20mm/&gt;20mm)</b>	kPa	≥ 100/≥ 150
<b>Rupture strength (GB/T 3001) (unfired)</b>	kPa	≥ 700
<b>Linear shrinkage (GB/T 17911) 12h@1100°C</b>	%	< 2
<b>Thermal conductivity (ASTM C201)</b>		
200°C	W/m.K	0,07
400°C	W/m.K	0,09
600°C	W/m.K	0,12
800°C	W/m.K	0,16
1000°C	W/m.K	0,21
1200°C	W/m.K	-
<b>Loss on Ignition (GB/T 6900)</b>	%	< 8

### DELIVERY SIZES

Length (mm)	Width (mm)	Thickness (mm)
1200	1000	10
1200	1000	15
1200	1000	20
1200	1000	25
1200	1000	50
1000	600	10
1000	600	15
1000	600	20
1000	600	25
1000	600	50

Not all thickness are available as standard

### Application area

- Thermal insulation for furnace lining
- High temperature back-up insulation
- General technical insulation of furnaces and technical installations
- Lining combustion chamber for domestic boilers and heaters

### Properties & benefits

- Excellent insulation performance
- Superior handling strength
- Resistant to high gas velocity erosion
- Can be used in direct flame contact
- Low shrinkage
- Excellent thermal stability
- Resistant to thermal shock
- Exonerated of carcinogenic classification under Note Q

### Working & processing

DALFRATHERM®-1200 ULS board can be cut and processed with conventional tools. Suitable items are knives with serrated edge, scissors 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 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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