

DALFRATHERM®-1260 HYBRID BOARD

Technical data sheet



Product description

For the production of DALFRATHERM®-1260 HYBRID boards, we use state of the art manufacturing techniques to be capable of delivering a continuous manufactured board to a thickness of 50mm at high consistency, quality and performance.

DALFRATHERM®-1260 HYBRID is our general purpose refractory board based on our 1260°C rated RCF DALFRATHERM®-1260 HYBRID fiber with selected inorganic and organic fillers to deliver high strength and performance in furnace linings.

All Board formulations contain a small amount of organic binder to improve the cold handling strength and this burns out on first firing at approximately 200-300°C.

TECHNICAL DATA

Grade	RCF	
Colour	offwhite	
Classification temperature	°C	1260
Continuous use temperature	°C	1100
Density (EN 1094-4)	kg/m ³	280
Compressive strength (GB/T 5072) unfired; <20mm/>20mm	kPa	≥ 100/≥ 175
Rupture strength (GB/T 3001) unfired	kPa	≥ 750
Linear shrinkage (GB/T 17911) 24h@1100°C	%	< 2
Thermal conductivity (ASTM C201)		
200°C	W/m.K	0,06
400°C	W/m.K	0,08
600°C	W/m.K	0,11
800°C	W/m.K	0,15
1000°C	W/m.K	0,22
1200°C	W/m.K	-
Loss on Ignition (GB/T 21114)	%	< 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 for ladles and torpedo cars
- Tundish and launder covers in the casting of various alloys
- Back-up insulation in melting furnaces and protection of burners for the glass industry
- Lining combustion chamber for gas fired boilers and heaters
- Alternative to Denser

Properties & benefits

- High temperature resistance and low shrinkage
- Resistant to erosion from high velocity gasses
- Can be used in direct flame contact High strength and easy machining to shape or size
- Resistant to chemical attack from most pollutions
- Excellent thermal insulation and low heat storage
- High strength and temperature resistance

Working & processing

DALFRATHERM®-1260 HYBRID can be worked extremely clean and accurate to size with all woodworking machines and tools. When working and processing high temperature wool products, the Technical Regulations for Hazardous Materials (TRGS 558) must be observed.

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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