

Promat



Technical Data Sheet

BOARD

DALFRATHERM[®]-1260 HYBRID

DALFRATHERM®-1260 HYBRID boards are part of an extensive range of high temperature insulation products targeted on achieving the highest possible thermal insulation value and handling strength.

All products in the Dalfratherm® Board range are manufactured using Ultra Low Shot technology bulk fibers.

Typical applications

- 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

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

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.

Type

Boards from high temperature Refractory Ceramic Fiber insulation wool.

Temperature range

DALFRATHERM®-1260 HYBRID board has a classification temperature of 1260°C.

DALFRATHERM® -1260 HYBRID BOARD

1260°C



Grade			RCF
Colour			offwhite
Classification temperature		°C (°F)	1260°C (2300°F)
Density	EN 1094-4	kg/m ³	280
Compressive strength (unfired; <20mm/>20mm)	GB/T 5072	kPa	≥ 100/≥ 175
Rupture strength (unfired)	GB/T 3001	kPa	≥ 750
Linear shrinkage	GB/T 17911	%	
24h@1100°C (2012°F)			< 2
Thermal conductivity	ASTM C201	W/m.K	
200°C (392°F)			0,06
400°C (752°F)			0,08
600°C (1112°F)			0,11
800°C (1472°F)			0,15
1000° (1832°F)			0,22
1200° (2192°F)			-
Loss on Ignition	GB/T 21114	%	< 8

Availability (X = standard; O = on special demand)

Thickness mm (inch)		L mm (inch)	W mm (inch)
10 (0,4)	X	1000 (39,37)	610 (24)
15 (0,59)	X	1000 (39,37)	610 (24)
20 (0,79)	X	1000 (39,37)	610 (24)
25 (0,98)	X	1000 (39,37)	610 (24)
50 (1,97)	X	1000 (39,37)	610 (24)
10 (0,4)	X	1200 (47,24)	1000 (39,37)
15 (0,59)	X	1200 (47,24)	1000 (39,37)
20 (0,79)	X	1200 (47,24)	1000 (39,37)
25 (0,98)	X	1200 (47,24)	1000 (39,37)
50 (1,97)	X	1200 (47,24)	1000 (39,37)

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