

Promat



Technical Data Sheet

BOARD

DALFRATHERM[®]-1300 ULS

DALFRATHERM®-1300 ULS boards are manufactured utilizing the same Ultra Low Shot technology utilized throughout our DALFRATHERM® product range.

Our continuous production process with state-of-the-art drying techniques enables us to make uniform, lightweight, low shot and stable boards up to a 100mm thick.

Typical applications

- 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

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

The DALFRATHERM®-1300 ULS board has a unique composition, based on years of experience. This new recipe is the first product in line of 1300°C low bio persistent fibre (AES) products.

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 fiber, boards for the most demanding applications.

Type

Boards made from high temperature low bio persistence (AES) insulation wool and selected fillers.

Temperature range

DALFRATHERM®-1300 ULS board has a classification temperature of 1300°C.

The maximum continuous use temperature of 1150°C is only applicable in a clean oxidizing atmosphere.

DALFRATHERM®-1300 ULS BOARD

1300°C



Grade			AES, low biopersistence
Colour			off-white
Classification temperature		°C (°F)	1300°C (2372°F)
Continuous use temperature		°C (°F)	1150°C (2102°F)
Density	EN 1094-4	kg/m ³	320
Compressive strength (unfired; <20mm/>20mm)	GB/T 5072	kPa	≥ 100/≥ 150
Rupture strength (unfired)	GB/T 3001	kPa	≥ 700
Linear shrinkage	GB/T 17911	%	
12h@1200°C (2192°F)			< 2
Thermal conductivity	ASTM C201	W/m.K	
200°C (392°F)			0,07
400°C (752°F)			0,09
600°C (1112°F)			0,12
800°C (1472°F)			0,16
1000° (1832°F)			0,21
1200° (2192°F)			-
Loss on Ignition	GB/T 6900	%	< 8

Availability (X = standard; Other thicknesses on special demand)

Thickness mm (inch)		L mm (inch)	W mm (inch)
10 (0,4)	X	1000 (39,37)	600 (23,62)
15 (0,59)	X	1000 (39,37)	600 (23,62)
20 (0,79)	X	1000 (39,37)	600 (23,62)
25 (0,98)	X	1000 (39,37)	600 (23,62)
50 (1,97)	X	1000 (39,37)	600 (23,62)
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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