

Ceraboard®

Product Data Sheet



Product Description

The Ceraboard range is manufactured from either Cerafibre or Cerachem fibres and is supplied in panels of standard thicknesses.

Boards are manufactured from a slurry of refractory fibres, specially selected fillers and binders with a low organic content.

The combination of different refractory fibres, inorganic and organic binders in different proportions, allows types of boards to be made suitable for different use temperatures.

In some types of heating equipment, the emission of fumes, which can occur when binders burn out of the board, can be easily eliminated.

Features

- High temperature stability
- Low thermal conductivity
- Low heat storage
- Rigidity and high cohesive strength allow machining and cutting
- Resistant to thermal shock
- Good erosion resistance
- Can be used in direct contact with flame
- Easy application

Applications

These versatile boards can be used where a rigid, self-supporting and insulating product is required which also has good resistance to physical damage.

- Ceramic industry (kiln linings & kiln car insulation)
- Glass industry
- Ducts insulation
- General thermal barriers
- High temperature insulations

Properties	Ceraboard 100	Ceraboard 115	
Region of Manufacture	EMEA	EMEA	
Colour	White / Tan	White / Tan	
Fibre Grade, Organic or Inorganic	Organic	Organic	
Classification Temperature, °C (°F), ISO 10635	1260 (2300)	1400 (2550)	
Density, kg/m ³ (pcf), ASTM C612-14	320 (20)	320 (20)	
Thermal Conductivity, W/m·K (BTU·in/hr·ft ² ·°F), ASTM C201			
	200°C (392°F)	0.07 (0.49)	0.06 (0.42)
	400°C (752°F)	0.09 (0.62)	0.08 (0.56)
	600°C (1112°F)	0.12 (0.83)	0.11 (0.76)
	800°C (1472°F)	0.17 (1.18)	0.15 (1.04)
	1000°C (1832°F)	0.22 (1.53)	0.21 (1.46)
	1100°C (2012°F)	0.25 (1.73)	0.24 (1.67)

Standard Dimensions and Availability

Ceraboard 100 and Ceraboard 115 are supplied on full pallets and protected by cardboard sleeves and recyclable shrink wrapped plastic.

Ceraboard 100 and Ceraboard 115 can also be supplied in bespoke dimensions to meet individual customer requirements. Please contact your local Morgan Advanced Materials - Thermal Ceramics sales representative for more information.

Standard dimensions, mm	Boards per pallet	Ceraboard 100	Ceraboard 115
1200 x 1000 x 6	160	X	
1200 x 1000 x 7.5	120	X	
1200 x 1000 x 10	90	X	
1200 x 1000 x 13	72	X	
1200 x 1000 x 15	60	X	
1200 x 1000 x 20	48	X	
1200 x 1000 x 25	36	X	X
1200 x 1000 x 40	24	X	X
1200 x 1000 x 50	18	X	X

Whilst the values and application information in this datasheet are typical, they are given for guidance only. The values and the information given are subject to normal manufacturing variation and may be subject to change without notice. Morgan Advanced Materials – Thermal Ceramics makes no guarantees and gives no warranties about the suitability of a product and you should seek advice to confirm the product's suitability for use with Morgan Advanced Materials - Thermal Ceramics.