

Ceraboard® 100
Ceraboard® 115



Material Type: Rigid panel based on refractory fibres.

Classification Temperature

Ceraboard® 100 : 1260°C

Ceraboard® 115 : 1400°C

Description

Ceraboard® is a refractory fibre board supplied in panels of standard thicknesses made from a slurry of refractory fibres and binders which have 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.

Maximum Use Temperature

The maximum use temperature depends on the application. Refer to our company for advice.

Ceraboard® 100

This product is recommended for all applications up to 1260°C and where direct flame or hot gas exposure is possible.

Ceraboard® 115

This product has a good uniformity of thickness, and possesses good flexural and compressive strengths, before and after heating. It could be used for applications up to 1400°C.

It is ideal as hot face lining, resisting direct flame and hot gas abrasion.

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 insulation.

Main Properties

		Ceraboard® 100	Ceraboard® 115
Classification temperature	°C	1260	1400
Properties Measured at Ambient Conditions (23°C/50% RH)			
• Colour		white/tan	white/tan
• Density	kg/m ³	310*	310
• Modulus of rupture	MPa	1.0*	0.9
• Compressive stress at 10% relative deformation	MPa	0.35	0.3
High Temperature Performance**			
• Loss on ignition after 2 hours heating at 800 °C	%	5.5	3.5
• Permanent linear shrinkage (ASTM C-356) after 24 hours isothermal heating at classification temperature:	%	3.0	3.7
• Thermal conductivity (ASTM C-201) at mean temperature of:			
300°C	W/m.K	0.07	0.07
400°C	W/m.K	0.08	0.08
600°C	W/m.K	0.11	0.11
800°C	W/m.K	0.15	0.15
1000°C	W/m.K	0.20	0.20

* Values 330 and 1.5 for thicknesses below 20mm.

** Values for thickness 50mm.

Availability and Packaging

Ceraboard is packed in cartons or on pallets which are shrink wrapped with recyclable plastic.

Standard dimensions (mm)	Ceraboard 100		Ceraboard 115	
	Board Per		Board Per	
	Carton	Pallet	Carton	Pallet
1200x1000x6	20	160		
1200x1000x7.5	16	120		
1200x1000x10	12	90		
1200x1000x13	10	72		
1200x1000x15	8	60		
1200x1000x20	6	48		
1200x1000x25	5	36	5	36
1200x1000x40	3	24	3	24
1200x1000x50	2	18	2	18

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.

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