

Ceraboard[®] 1425

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

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Properties	Ceraboard 1425
Region of Manufacture	Asia
Colour	White / Tan
Fibre Grade, Organic or Inorganic	Organic
Classification Temperature, °C (°F), ISO 10635	1425
Density, kg/m ³ (pcf), ASTM C612-14	320
Modulus of rupture, MPa	0.9
Compressive stress at 10% relative deformation, MPa	0.3
Loss of ignition after 2 hours heating at 800°C, %	6
Permanent Linear Shrinkage (ASTM C-356) after 24 hours isothermal heating at classification temperature, %	3.7
Thermal Conductivity (ASTM C201) at mean temperature of	
300°C (W/m.K)	0.09
400°C (W/m.K)	0.10
600°C (W/m.K)	0.12
800°C (W/m.K)	0.15
1000°C (W/m.K)	0.20

Standard Dimensions and Availability

Ceraboard 1425 is supplied on full pallets and protected by cardboard sleeves and recyclable shrink wrapped plastic.

Ceraboard 1425 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
1200 x 1000 x 25	36
1200 x 1000 x 40	24
1200 x 1000 x 50	18

Note : CERABOARD is a registered trademark in the European Union, Japan, China and the United Kingdom

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