

Ceraboard® 1260 & 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)
- Ceramic kiln module separator
- Glass industry
- Ducts insulation
- General thermal barriers
- High temperature insulations

Standard Dimensions and Availability

Ceraboard 1260 and Ceraboard 1425 are supplied on full pallets and protected by cardboard sleeves and recyclable shrink wrapped plastic.

Ceraboard 1260 and 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	Ceraboard 1260	Ceraboard 1425
1000 x 600 x 10	180	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

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Properties	Ceraboard 1260	Ceraboard 1425
Region of Manufacture	Asia	Asia
Colour	White / Tan	White / Tan
Product Grade, Organic or Inorganic	Organic	Organic
Classification Temperature, °C (°F), ISO 10635	1260 (2300)	1425 (2600)
Density, kg/m ³ (pcf), ASTM C612-14	310 (19)	320 (20)
Modulus of Rupture (MPa)	1.0 (≤ 25 mm) 0.5 (>25 mm)	0.9
Compressive strength, @10% deformation, MPa (psi)	0.3 (43.5)	0.3 (43.5)
LOI, % after 2 hours heating @800°C (1472°F)	6	6
Permanent Linear Shrinkage, %, 24 hours, EN 1094-1		
1260°C (2300°F)	3.4	-
1425°C (2600°F)	-	3.7
Thermal Conductivity, W/m·K, ASTM C201, at mean temperature of		
300°C	0.07	0.09
400°C	0.08	0.10
600°C	0.11	0.12
800°C	0.15	0.15
1000°C	0.20	0.20
Chemical Analysis, %		
Alumina, Al ₂ O ₃	41	32
Silica, SiO ₂	56	53
Zirconia, ZrO ₂	-	11
Ferric oxide + Titanium oxide, Fe ₂ O ₃ + TiO ₂	1	1
Others	<2	<3

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

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