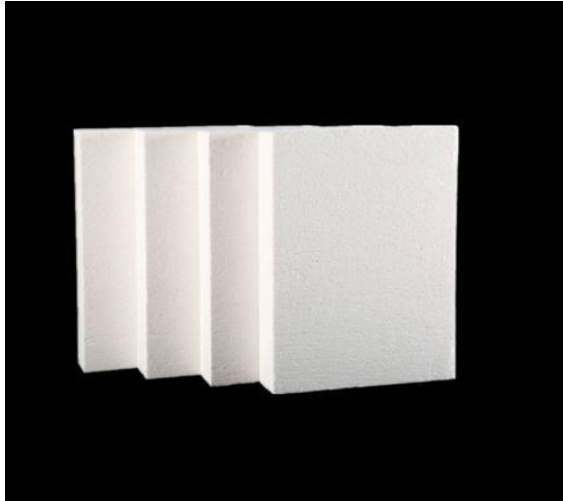


TECHNICAL DATA SHEET

Darco **CBDXXX** Ceramic Fiber Board



Ceramic Fiber Boards

Ceramic Fiber Boards are high performance insulation products manufactured from ceramic fiber bulk and binders, with unique shot removing and vacuum forming process, they offer low thermal conductivity, high temperature stability, uniform density, and excellent resistance to thermal shock and chemical attack.

Ceramic Fiber Boards are widely used in various high temperature applications in furnaces, kilns etc. Additional

hardness and strength can be reached with post treatments. Available in variety of compositions, densities, sizes and post treatments combinations.

Classification Temperature Available: 1260 °C, 1400 °C
 Available via Import: (1050 °C, 1360 °C, 1430 °C)

Features	Applications
<ul style="list-style-type: none"> ● High temperature stability ● Low thermal conductivity ● Low heat storage ● Non-wetting to molten Aluminium ● Close tolerance with excellent surface finish ● Easy to cut, drill or saw 	<ul style="list-style-type: none"> ● Furnace linings ● Kiln furniture ● Hot gas duct linings ● Launder insulation ● General molten metal contact ● Glass tank side and wall insulation ● Combustion chamber insulation ● High temperature gasket and seals

Main Properties

Description	1050 °C	1260 °C STD	1260 °C HP	1430 °C STD
Permanent Heating Linear Change (%)	950 °C X24h ≤ -4	1000 °C X24h ≤ -4	1000 °C X24h ≤ -4	1350 °C X24h ≤ -4

TECHNICAL DATA SHEET

Thermal Conductivity(Average 500°C)W/(m.k)	≤0.165			
Water Content (%)	≤1.5			
Organic Content (%)	≥-6			
Density (Kg/M3)	250~300	280~320	300~320	300~320
Al2O3	≥40	≥43	44-47	
Al2O3+SiO2	≥95	≥96	≥98	
Al2O3+SiO2+ZrO2				≥99
ZrO2				≥15
Fe2O3	<0.5	<0.5	≤0.3	≤0.2
Na2O+K2O+Fe2O3	<0.9			
Thermal Conductivity(W/m.k)				
200°C	0.082	0.074	0.055	0.078
400°C	0.102	0.092	0.073	0.102
500°C	0.110	0.103	0.086	0.116
600°C	0.133	0.127	0.105	0.135
Cold Crushing Strength (Mpa)	0.2	0.2	0.15-0.2	0.12
Product Specifications	Length: 1000mm Width: 600mm Thickness: 6/8/13/25/40/50mm			
customized made	Length: 900/1200/2400mm Width: 500/1000/1200mm Thickness: 3~125mm			
Packaging	Carton Box outside or with pallet			
Quality Certificate	ISO9001-2008 ISO14001-2004			

The data shown above is average results of test under standard procedures. There shall be some adjustment in normal mass manufacturing. For more information on the safety application or materials, please refer to the work practices and material safety data sheet.