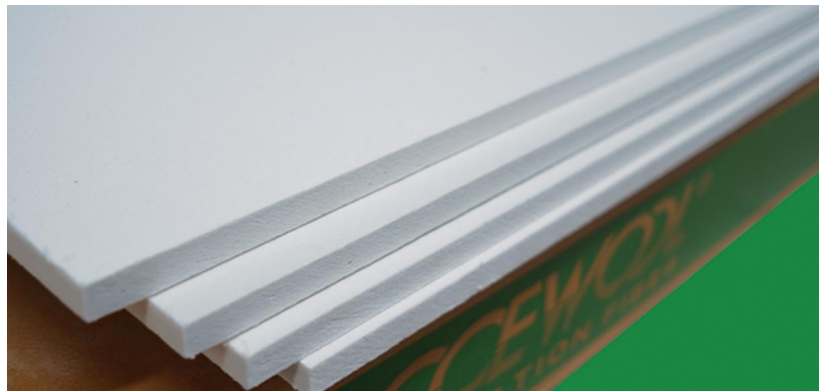


CCEWOOL Ceramic Fiber Board



Temperature Grade: 1100 °C (2012 °F),
1260 °C (2300 °F), 1400 °C (2552 °F),
1430 °C (2606 °F)

CCEWOOL Ceramic Fiber Board is manufactured from high-purity aluminosilicate fibers combined with a controlled binder system, then compressed, cured, and precision-cut. Produced via an automated

vacuum-forming process, the boards feature a uniform structure, excellent thermal and acoustic insulation, low thermal conductivity and heat capacity, high compressive strength, tight dimensional tolerances, smooth surfaces, and ease of machining and installation. These properties make them ideal as sandwich cores or core materials in applications where appearance, uniformity, and performance are critical. Continuous 24-hour operation and rapid drying further enhance compressive strength. CCEWOOL Ceramic Fiber Board is available in a range of standard thicknesses with consistently precise dimensions and flat surfaces.

Characteristics:

- Low heat capacity, low thermal conductivity;
- Non-brittle material, good elasticity;
- High compressive strength
- Excellent wind-erosion resistance, long service life;
- Excellent thermal stability and thermal shock resistance;
- Continuous production, even fiber distribution and stable performance;
- Good sound insulation;
- Good anti-stripping properties;
- Easily molded or cut, easy to install;
- Accurate sizes and good flatness.

Application:

Zibo Double Egret Thermal Insulation Co.,Ltd
Add: No.97 Liuquan Road, Zibo City, Shandong, China
Tel: +86-533-7986860

Email: info@ccewool.com
ccewool@ceceramicfiber.com
Website: www.ceceramicfiber.com

Iron and steel industry: All heat treatment furnace lining, expansion joints, backing insulation, thermal insulation and mold insulation, steel mill ladle, tundish, ladle and refined ladle back linings;

Non-ferrous metals industry: Firebrick back lining for tundish, slot cover and aluminum plant electrolytic reduction cell;

Ceramics industry: lightweight kiln car structure and the furnace hot face lining, separation and fire position for all kiln temperature zones;

Glass industry: As furnace hearth back insulation lining, burner blocks;

Kiln construction: Hot surface refractories, heavy refractory back linings, expansion joints.

Light industry: Industrial and household boiler combustion chamber lining;

Petrochemical industry: as high-temperature furnace hot surface lining material;

Craft glass: As craft glass or other deep-processed and molded products mold;

Cement and construction materials: furnace back thermal insulation lining.

TDS

CCEWOOL Ceramic Fiber Board					
Classification Temperature	1100°C (2012°F)	1260 (2300°F)	1260°C (2300°F)	1400°C (2550°F)	1430°C (2600°F)
Operation Temperature	950°C (1742°F)	1050°C (1922°F)	1100°C (2012°F)	1200°C (2192°F)	1350°C (2462°F)
Color	white				
Loss of Ignition (%)	≤6				
Permanent Linear Shrinkage (%)	950°Cx24h≤2.0	1050°Cx24h≤3.0	1050°Cx24h≤3.0	1200°Cx24h≤3.5	1350°Cx24h≤3.5
Modules of Rupture (MPa)	≥0.3				
Compressive Strength (MPa, 10% relative deformation)					
250kg/m ³	≥0.15				
300kg/m ³	≥0.25				
360kg/m ³	≥0.3				
Thermal Conductivity (w/m.k)					

400 °C	0.09	0.08	0.07	0.07	0.07
600 °C	0.11	0.11	0.1	0.1	0.1
800 °C	0.15	0.14	0.13	0.13	0.13
1000 °C	0.2	0.19	0.17	0.19	0.18
Chemical Composition (%)					
Al ₂ O ₃	≥44	≥44	≥44	≥44	≥35
SiO ₂	≥52	≥52	≥55	≥50	≥49
ZrO ₂	-	-	-	≥5	≥15
Package	Carton box or pallet				

CCEWOOL Ceramic Fiber Board	
Thickness (mm)	20.25.50.80.100
Size (mm)	1200×1000 or customized size

CCEWOOL Large Size Ceramic Fiber Board



Temperature Grade:

1260 °C (2300 °F), 1400 °C (2552 °F),
1430 °C (2606 °F)

CCEWOOL Large Size Ceramic Fiber Board is produced via an automated, continuous manufacturing process, blending high-purity aluminosilicate fibers with a minimal binder. It delivers exceptionally precise large

dimensions, superior flatness, high mechanical strength, and lightweight construction. Outstanding thermal-shock resistance and anti-spalling properties make it ideal for demanding applications—most notably, the production of fire-rated doors.

Characteristics:

Zibo Double Egret Thermal Insulation Co., Ltd
Add: No.97 Liuquan Road, Zibo City, Shandong, China
Tel: +86-533-7986860

Email: info@ccewool.com
ccewool@cceceramicfiber.com
Website: www.cceceramicfiber.com

Intact, super large size;
Excellent fireproof property;
Low thermal conductivity;
Low thermal storage;
Accurate size, good flatness.

Application:

Refractory lining;
Insulating backup to dense refractory materials;
Insulating backup to brick & castable;
Furnace hot face lining in ceramic kiln, box furnace & petrochemical furnace;
Use in industrial heat processing equipment;
Rigid high-temperature gaskets & seals;
High-temperature baffles & muffles;
Flue & chimney linings in furnaces & kilns;
Molten metal trough covers;
Hot gas duct linings;
Expansion joints;
Industrial heat shields & thermal barriers;
Industrial combustion chamber construction;
Domestic appliance & light-duty industrial combustion chamber construction.

TDS

CCEWOOL Large Size Ceramic Fiber Board				
Classification Temperature	1260°C (2300°F)	1260°C (2300°F)	1400°C (2550°F)	1430°C (2600°F)
Operation Temperature	1050°C (1922°F)	1100°C (2012°F)	1200°C (2192°F)	1350°C (2462°F)
Color	white			
Loss of Ignition (%)	≤6			
Permanent Linear Shrinkage (%)	1050°Cx24h≤3.0	1050°Cx24h≤3.0	1200°Cx24h≤3.5	1350°Cx24h≤3.5
Modules of Rupture (MPa)	≥0.3			

Compressive Strength (MPa, 10% relative deformation)				
300kg/m ³	≥0.25			
360kg/m ³	≥0.3			
Thermal Conductivity (w/m.k)				
400°C	0.08	0.07	0.07	0.07
600°C	0.11	0.1	0.1	0.1
800°C	0.14	0.13	0.13	0.13
1000°C	0.19	0.17	0.19	0.18
Chemical Composition (%)				
Al ₂ O ₃	≥44	≥44	≥44	≥35
SiO ₂	≥52	≥55	≥50	≥49
ZrO ₂	-	-	≥5	≥15
Package	pallet			

CCEWOOL Large Size Ceramic Fiber Board	
Thickness (mm)	20.25.50.80.100
Size (mm)	2400×1200 or customized size

CCEWOOL Ultra Thin Ceramic Fiber Board



Temperature Grade: 1260 °C (2300 °F),

1400 °C (2552 °F), 1430 °C (2606 °F)

CCEWOOL Ultra Thin Ceramic Fiber Board is available in thicknesses from 3 to 10 mm, produced on a fully automated production line with CNC manufacturing, ensuring precise thickness and higher compressive strength. It is widely used in electrical and electronic equipment.

Characteristics:

Ultra-thin, with thicknesses ranging from 3 mm to 10 mm;

Low heat capacity and low thermal conductivity;

Non-brittle material with excellent elasticity;

High compressive strength;

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Website: www.ceceramicfiber.com

Good wind erosion resistance and long service life;
 Excellent thermal stability and thermal shock resistance;
 Continuous production ensures uniform fiber distribution and stable performance;
 Good sound absorption;
 Excellent anti-peeling properties;
 Easy to form or cut, and simple to install;
 Precise dimensions with excellent flatness.

Application:

Used in electrical and electronic equipment.

TDS

CCEWOOL Ultra Thin Ceramic Fiber Board			
Classification Temperature	1260°C (2300°F)	1400°C (2550°F)	1430°C (2600°F)
Operation Temperature	1050°C (1922°F)	1200°C (2192°F)	1350°C (2462°F)
Color	white	white	white
Loss of Ignition (%)	≤6	≤6	≤6
Permanent Linear Shrinkage (%)	1050°Cx24h≤3.0	1200°Cx24h≤3.5	1350°Cx24h≤3.5
Modules of Rupture (MPa)	≥0.3	≥0.3	≥0.3
Thermal Conductivity (w/m.k)			
400°C	0.08	0.07	0.07
600°C	0.11	0.1	0.1
800°C	0.14	0.13	0.13
1000°C	0.19	0.19	0.18
Chemical Composition (%)			
Al ₂ O ₃	≥44	≥44	≥35
SiO ₂	≥52	≥50	≥49
ZrO ₂	-	≥5	≥15
Package	Carton box or pallet		

CCEWOOL Ultra Thin Ceramic Fiber Board	
Thickness (mm)	3-10
Density (kg/m ³)	400
Size (mm)	900×600 or customized size

CCEWOOL Ceramic Fiber Board with Alumina Foil



Temperature Grade: 1100 °C (2012 °F),
1260 °C (2300 °F), 1400 °C (2550 °F),
1430 °C (2600 °F)

CCEWOOL Ceramic Fiber Board with Alumina Foil is manufactured via a fully automated vacuum-forming process with 24-hour continuous operation and rapid drying, resulting in enhanced compressive strength. We use European-standard aluminum foil at 0.2 mm thickness, rated M1

(EN) for fire performance, and rated for -40 °C to 250 °C service. It meets SGS RoHS and EU TÜV LFGB safety and environmental standards, and is UL certified. Available configurations include one-sided foil facing, two-sided foil facing, and six-sided foil encapsulation. These boards are widely used in electrical and electronic equipment.

Characteristics:

- Low heat capacity, low thermal conductivity;
- Non-brittle material, good elasticity;
- High compressive strength;
- Excellent wind-erosion resistance, long service life;
- Excellent thermal stability and thermal shock resistance;
- Continuous production, even fiber distribution and stable performance;
- Good sound insulation;
- Good anti-stripping properties;
- Easily molded or cut, easy to install;
- Accurate sizes and good flatness.

Application:

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ccewool@ceceramicfiber.com
Website: www.ceceramicfiber.com

Iron and steel industry: All heat treatment furnace lining, expansion joints, backing insulation, thermal insulation and mold insulation, steel mill ladle, tundish, ladle and refined ladle back linings;

Non-ferrous metals industry: Firebrick back lining for tundish, slot cover and aluminum plant electrolytic reduction cell;

Ceramics industry: lightweight kiln car structure and the furnace hot face lining, separation and fire position for all kiln temperature zones;

Glass industry: As furnace hearth back insulation lining, burner blocks;

Kiln construction: Hot surface refractories, heavy refractory back linings, expansion joints.

Light industry: Industrial and household boiler combustion chamber lining;

Petrochemical industry: as high-temperature furnace hot surface lining material;

Craft glass: As craft glass or other deep-processed and molded products mold;

Cement and construction materials: furnace back thermal insulation lining.

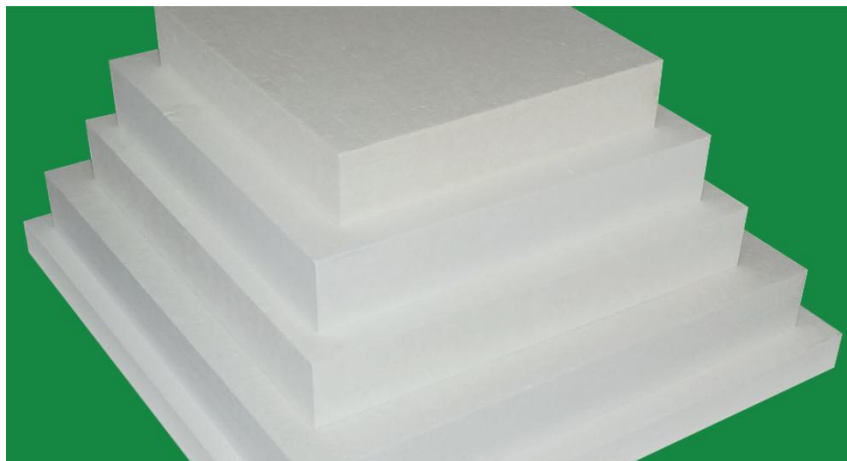
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CCEWOOL Ceramic Fiber Board with Alumina Foil					
Classification Temperature	1100°C (2012°F)	1260°C (2300°F)	1260°C (2300°F)	1400°C (2550°F)	1430°C (2600°F)
Operation Temperature	950°C (1742°F)	1050°C (1922°F)	1100°C (2012°F)	1200°C (2192°F)	1350°C (2462°F)
Color	white				
Loss of Ignition (%)	≤6				
Permanent Linear Shrinkage (%)	950°Cx 24h≤2.0	1050°C x24h≤3.0	1050°C x24h≤3.0	1200°C x24h≤3.5	1350°C x24h≤3.5
Modules of Rupture (MPa)	≥0.3				
Compressive Strength (MPa,10% relative deformation)					
250kg/m3	≥0.15				
300kg/m3	≥0.25				
360kg/m3	≥0.3				
Thermal Conductivity (w/m.k)					
400°C	0.09	0.08	0.07	0.07	0.07
600°C	0.11	0.11	0.1	0.1	0.1
800°C	0.15	0.14	0.13	0.13	0.13
1000°C	0.2	0.19	0.17	0.19	0.18

Chemical Composition (%)					
Al ₂ O ₃	≥44	≥44	≥44	≥44	≥35
SiO ₂	≥52	≥52	≥55	≥50	≥49
ZrO ₂	-	-	-	≥5	≥15
Package	Carton box or pallet				

CCEWOOL Ceramic Fiber Board with Alumina Foil	
Thickness (mm)	20.25.50.80.100
Size (mm)	1200×1000 or customized size

CCEWOOL Ceramic Fiber Back-lining Board



Temperature Grade: 1100 °C
(2012 °F), 1260 °C (2300 °F)

CCEWOOL Ceramic Fiber

Back-lining Board is produced via an automated, continuous process using high-purity aluminosilicate fibers and minimal binder. It offers precise dimensions, excellent flatness, high mechanical strength, lightweight construction, superior thermal-shock

resistance, and anti-spalling properties. Widely used for insulation and heat retention in furnace walls and floors, as well as in ceramic kiln firing positions and specialty glass mold applications.

Characteristics:

Low heat capacity, low thermal conductivity;

High compressive strength;

Non-brittle material, good elasticity;

Accurate sizes and good flatness;

Easily molded or cut, easy to install;

Continuous production, even fiber distribution and stable performance;
Excellent thermal stability and thermal shock resistance.

Application:

Cement and construction materials: furnace back thermal insulation lining;

Ceramics industry: lightweight kiln car structure and the furnace hot face lining, separation and fire position for all kiln temperature zones;

Petrochemical industry: as high-temperature furnace hot surface lining material;

Glass industry: As furnace hearth back insulation lining, burner blocks;

Hot surface refractories, heavy refractory back linings, expansion joints.

Firebrick back lining for tundish, slot cover and aluminum plant electrolytic reduction cell;

All heat treatment furnace lining, expansion joints, backing insulation, thermal insulation and mold insulation, steel mill ladle, tundish, ladle and refined ladle back linings.

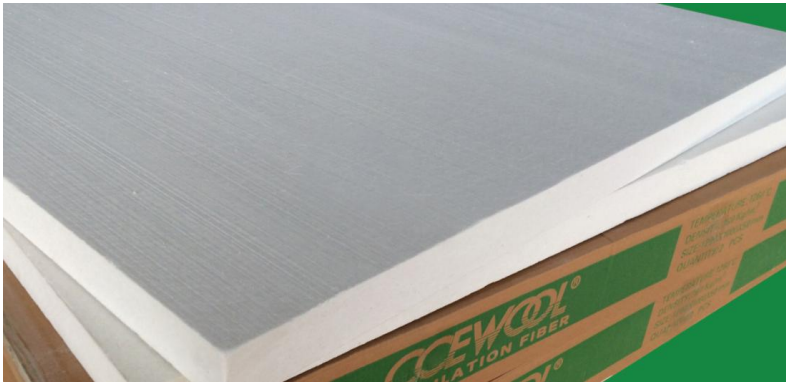
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CCEWOOL Ceramic Fiber Back-lining Board		
Types(°C)	1100	1260
Permanent Change on Heating	950°Cx24h<=-2.5	1050°Cx24h<=-2
Theoretic Heat Conductive Co-efficient W/(m·k)(128kg/m3)	heat transfer 800°C	<=0.116
	heat transfer 1000°C	-----
Compression Strength (MPa)	>=0.1	>=0.25
Theoretical density (kg/m3)	220	260
Water content %	<=1	
Organic content %	<=8	
Package	Carton box or pallets	

Categories		Typical Size Ceramic Fiber Back-lining Board
(kg/m3) Density		220kg/m3 to 260kg/m3
Common Size (mm)	L x W	1200x1000;1200x600;1000X1000;1000X600;900x600; 600x300

	Thickness	10-80
Packing	Inner Plastic Bag + Outer pallet or Carton	

CCEWOOL Ceramic Fiber Hearth Board



Temperature Grade: 1260 °C (2300 °F)
CCEWOOL Ceramic Fiber Hearth Board is a high-density insulation panel made primarily from aluminosilicate fibers with a minor binder. It features exceptional toughness, self-supporting strength, and compressive resistance, effectively withstanding the impact of molten metal.

With a compressive strength more than ten times that of standard ceramic fiber boards, it is classified as a high-strength fiber panel. Available in multiple standard thicknesses.

Characteristics:

- Low heat capacity, low thermal conductivity;
- Excellent chemical stability;
- Excellent thermal stability, high temperature is not easy chalking;
- Non bonding agent or corrosive substances;
- Good sound insulation.

Application:

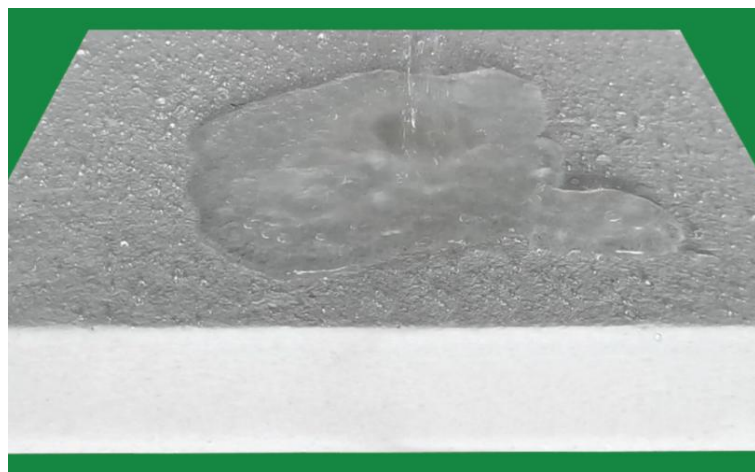
- Metal Melting Furnace Hearth Insulation;
- Foundry Equipment Hearth Protection;
- Metallurgical Kiln Hearth Insulation;
- Chemical Reactor Vessel Lining;
- Heat Treatment Equipment Hearth;
- Industrial Kiln Maintenance and Replacement.

TDS

CCEWOOL Ceramic Fiber Hearth Board	
Type(°C)	1260
Loss on ignition (1260x1h)	≤10
Permanent Linear Change on Heating(%)	1050x24h≤-3
Theoretic Heat Conductivity Co-efficient(w/m.k) (800°C)	≤0.15
Water content(%)	≤1.0
Compression strength(Mpa)	≥0.8
Theoretical density(kg/m3)	400kg/m3-600kg/m3
Regular Size(mm)	Length:1000,500mm Width:600/300mm Thickness:20-50mm
Package	Carton or Pallet

Categories		Typical Size Ceramic fiber hearth board
Density(kg/m3)		400kg/m3-600kg/m3
Common Size(mm)	L x W	1000x600;1000x300;500X600;500X300;1000x200
Thickness		20-50mm
Packing		Inner Plastic Bag + Outer pallet or Carton

CCEWOOL Ceramic Fiber Hydrophobic Board



Temperature Grade: 1100 °C (2012 °F),
1260 °C (2300 °F)

CCEWOOL Ceramic Fiber Hydrophobic Board combines waterproofing, insulation, and fire resistance in a single fiber panel. By incorporating a hydrophobic formula into the raw ceramic fiber material and using a fully automated production line with a 2-hour deep-drying process, we achieve full-depth water repellency, with over 99%

hydrophobicity maintained at temperatures up to 200 °C.

Specifically engineered to resist moisture ingress, this hydrophobic board is ideal for fire protection, thermal insulation, fireproofing, and sound attenuation applications offshore and in other high-humidity environments. It significantly enhances insulation performance by preventing the increase in thermal conductivity and corrosion of the insulating core that typically result from moisture absorption in conventional fiber boards.

Characteristics:

Good hydrophobic property, hydrophobic rate more than 98%;

Low thermal conductivity, non-combustible, moisture-proof, good sound absorption;

Good rigid property, high-strength, anti-vibration, corrosion;

Convenient construction, good stability, long useful life.

Application:

Widely used in shipping building, metallurgical machinery, petro-chemical industry;

Nuclear power, automobile;

Municipal heating system and building;

Wall composite and proof insulation.

TDS

CCEWOOL Ceramic Fiber Hydrophobic Board		
Type(°C)	1100	1260
Permanent Linear Change on Heating (%)	950°Cx24h<=-2.5	1050°Cx24h<=-2
Theoretic Heat Conductivity Co-efficient (w/m.k) (800°C)	<=0.116	<=0.135
Theoretical density (kg/m3)	220	300
Water content (%)	<=1	
organic content (%)	<=6	
Hydrophobicity	>=98%	
Regular Size (mm)	1200x600mm (47"*24") Thickness: 25/50mm (1"/2")	
Package	Carton/Pallet	

CCEWOOL 1900 LTC Fiber Board



Temperature Grade 1900°F, 2600°F

CCEWOOL 1900 LTC Fiber Board, independently developed by our company, combining micro-nano technology and infrared shielding technology, achieves lower thermal conductivity and better insulation performance. Its thermal insulation performance is 20-50% better than traditional

lightweight fire-resistant materials. The thermal insulation principle of CCEWOOL 1900 LTC Fiber Board is through compositing refractory ceramic fiber and high efficient thermal insulation agent to reduce heat conduction, heat convection and heat radiation, thus resulting in lower thermal conductivity.

CCEWOOL 1900 LTC Fiber Board provides high strength stability and excellent workability. We can produce water repellent ultra low thermal conductivity board which has good water resistance, so the board will not absorb the moisture of adjacent fire-resistant materials. Due to its ultra-low thermal conductivity it has better thermal insulation performance than most of the other insulation materials on market, it will surely replace most of the refractory ceramic fiber boards in future.

Characteristics:

- Ultra-low thermal conductivity;
- Low thermal storage;
- High tensile strength;
- Excellent thermal shock resistance;
- Excellent corrosion resistance.

Application:

- Refractory Lining;
- Back lining insulation for dense refractory materials;
- Back lining insulation for refractory bricks and castables;
- Hot surface lining of ceramic kilns, box furnaces, and petrochemical furnace;
- Used in industrial heat processing equipment;

Rigid high-temperature sealing gasket;
 High temperature shields;
 Insulation lining for flues and chimneys;
 Molten metal tank covers;
 Hot gas pipe lining;
 Expansion joints;
 Industrial insulation covers and insulation layers;
 Industrial combustion chamber;
 Light industrial combustion chamber.

TDS

CCEWOOL 1900 LTC Fiber Board		
Product Name	1900 LTC	2600 LTC
Theoretical Bulk Density (Kg/m ³)	300	320
Cold Compressive Strength (MPa)	≥0.15	
Compressive Strength After Heating (MPa)	≥0.1	
Permanent Linear Change After Heating (%)	≤3(1050°C×24h)	≤3(1200°C×24h)
Thermal Conductivity W/(m·K)	0.09(Average 500°C)	0.1(Average 600°C)
Regular Size (L×W×T)mm	900×600×25/50mm 1200×600×25/50mm	

CCEWOOL Thermomax Board



Temperature Grade: 1100 °C (2012 °F)
 CCEWOOL Thermomax Board is a sustainable eco-friendly thermal insulation material developed by our factory. CCEWOOL Thermomax Board is made of recyclable mineral fiber as the main material with a small amount of binding agent, which is degradable. The maximum operating temperature of this product is 1100°C, and it should not be used as a hot surface

material in furnace to directly contact the flame. CCEWOOL Thermomax Board has excellent moisture resistance and will not absorb water from adjacent refractory materials during use.

Characteristics:

- Excellent moisture resistance;
- Excellent corrosion resistance;
- Low heat capacity, low thermal conductivity;
- High compressive strength;
- Non-brittle material, good elasticity;
- Accurate sizes and good flatness
- Easily molded or cut, easy to install
- Continuous production, even fiber distribution and stable performance;
- Excellent thermal stability and thermal shock resistance.

Application:

- Cement and construction materials: furnace back thermal insulation lining.
- Ceramics industry: lightweight kiln car structure and the furnace hot face lining, separation and fire position for all kiln temperature zones;
- Petrochemical industry: as high-temperature furnace hot surface lining material;
- Glass industry: As furnace hearth back insulation lining, burner blocks;
- Hot surface refractories, heavy refractory back linings, expansion joints.
- Firebrick back lining for tundish, slot cover and aluminum plant electrolytic reduction cell;
- All heat treatment furnace lining, expansion joints, backing insulation, thermal insulation and mold insulation, steel mill ladle, tundish, ladle and refined ladle back linings.

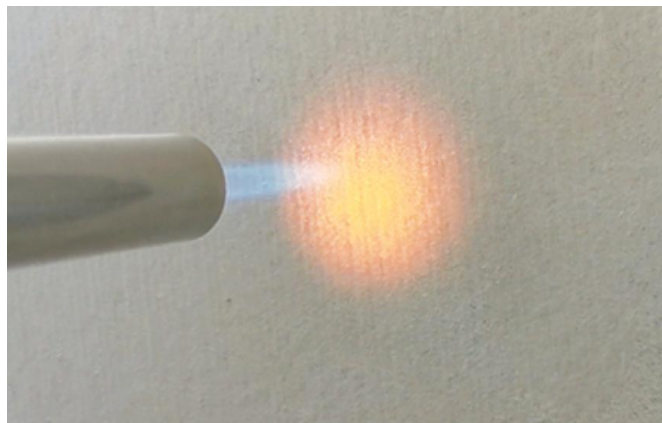
TDS

CCEWOOL Thermomax Board	
Classification temperature	1100°C (2012°F)
Operation Temp °C	950
Permanent Linear Change on Heating (%)	
@950C,24hrs	4
@1200C,24hrs	-

	@1300C,24hrs	-
	@1350C,24hrs	-
Thermal Conductivity (w/m.k)		
	600°C	0.13
	800°C	0.2
	1000°C	-
Rupture Strength (Mpa)		
	Thickness≤25mm	0.5
	Thickness>25mm	0.2
Chemical Composition (%)		
	Al ₂ O ₃	37
	Al ₂ O ₃ +SiO ₂	96
	ZrO ₂	-
	Al ₂ O ₃ +SiO ₂ +ZrO ₂	-
	Fe ₂ O ₃	≤1.0
	Na ₂ O+K ₂ O	≤0.8
Package		Carton box or pallet

CCEWOOL Thermomax Board		
Thickness (mm)	20.25.50.	80.100
Density (kg/m ³)	280. 300. 320. 350	280. 300. 320
Size (mm)	600*300. 1200*600.1200*1000 or customized size	

CCEWOOL Inorganic Ceramic Fiber Board



Temperature Grade: 1260 °C (2300 °F)

In response to market demand, CCEWOOL has developed fully inorganic ceramic fiber boards and molded parts. Produced on proprietary lines with inorganic binders, these boards are designed for household appliances and smokeless heating equipment (e.g., electric furnaces, wall-mounted boilers, fiber-spun air ducts). CCEWOOL Inorganic Ceramic Fiber Boards remain unstained, smoke-free,

and odorless at high temperatures, while offering exceptional strength and hardness that is not significantly reduced even after exposure to fire.

Characteristics:

Low heat capacity and low thermal conductivity;

Non-brittle material with good elasticity;

High compressive strength;

Excellent wind erosion resistance and long service life;

Superior thermal stability and thermal shock resistance;

Continuous production ensures uniform fiber distribution and stable performance;

Good sound-absorption properties;

Excellent delamination resistance;

Easy to shape or cut, simple installation;

Accurate dimensions and excellent flatness.

Application:

Steel Industry: All heat-treatment furnace linings, expansion joints, backup insulation, thermal lining of moulds, and backing linings for steel ladles, tundishes, hot metal ladles, and refining ladles.

Non-Ferrous Metals Industry: Backing linings for tundishes, trough covers, and refractory brick linings in aluminum smelting cells.

Ceramics Industry: Lightweight kiln car structures and hot-face linings, temperature-zone dividers, and burner blocks in various kiln zones.

Glass Industry: Furnace chamber backup insulation and burner block linings.

Refractory Construction: Hot-face refractories, backup of dense refractories, and expansion-joint fillers.

Light Industry: Linings for industrial and domestic boiler combustion chambers.

Petrochemical Industry: Hot-face linings for high-temperature furnaces.

Art Glass & Deep-Processing: Moulds for art glass and other precision-formed products.

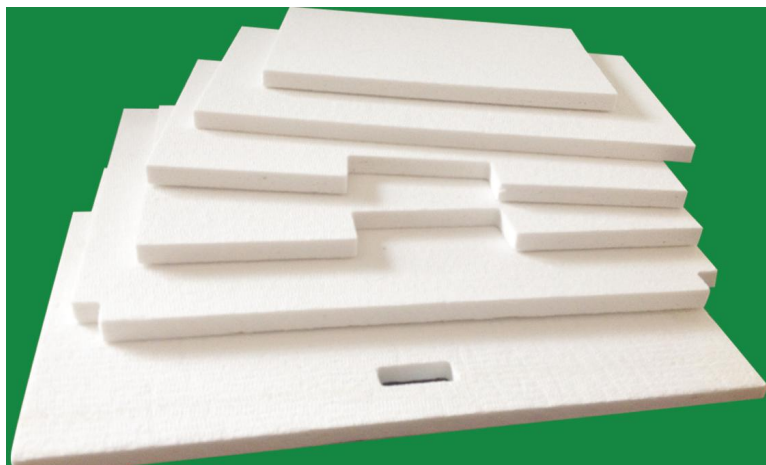
Cement & Building Materials: Backup insulation for kiln linings.

TDS

CCEWOOL® Inorganic Ceramic Fiber Board

Classification Temperature	1260°C (2300°F)
Density (kg/m ³)	320/360
Loss on ignition (%)	≤ 2
Normal temperature compressive strength (MPa)	≥ 0.15
Post-Firing Compressive Strength (MPa)	≥ 0.15
Surface Hardness (Hc)	≥ 60
Thermal Conductivity (W/m-K)	≤ 0.135 (500°C)
Common Specifications and Dimensions (mm)	900×600×20-50 (47"×24"×4/5"-2")

CCEWOOL Ceramic Fiber Board for Wall-hung Boilers and Gas Boiler



Temperature Grade: 1260 °C (2300 °F),
1400 °C (2550 °F), 1430 °C (2600 °F)
CCEWOOL Ceramic Fiber Board for wall-hung and gas boilers is distinguished by its lightweight construction and high compressive strength. Manufactured via automated, continuous processes with a small addition of high-purity aluminosilicate fiber binder, it offers precise large dimensions, superior flatness, excellent

strength, low weight, outstanding thermal-shock resistance, and anti-spalling properties. These characteristics make it ideal for use in wall-hung boilers and gas-fired boiler applications.

Characteristics:

- Low thermal capacity;
- Low thermal conductivity;

Excellent electrical insulation properties;

Excellent machining performance;

High strength, tear resistance;

High flexibility;

Low shot content.

Application:

It is used for fire insulation in wall-hung boilers and gas boiler.

TDS

CCEWOOL Ceramic Fiber Board for Wall-hung Boilers and Gas Boiler				
Classification Temperature	1260°C(2300°F)	1260°C (2300°F)	1400°C (2550°F)	1430°C (2600°F)
Operation Temperature	1050°C(1922°F)	1100°C (2012°F)	1200°C(2192°F)	1350°C(2462°F)
Color	white			
Loss of Ignition (%)	≤6			
Permanent Linear Shrinkage (%)	1050°Cx24h≤3.0	1050°Cx24h≤3.0	1200°Cx24h≤3.5	1350°Cx24h≤3.5
Modules of Rupture (MPa)	≥0.3			
Compressive Strength (MPa,10% relative deformation)				
300kg/m3	≥0.25			
360kg/m3	≥0.3			
Thermal Conductivity (w/m.k)				
400°C	0.08	0.07	0.07	0.07
600°C	0.11	0.1	0.1	0.1
800°C	0.14	0.13	0.13	0.13
1000°C	0.19	0.17	0.19	0.18

Chemical Composition (%)				
Al ₂ O ₃	≥44	≥44	≥44	≥35
SiO ₂	≥52	≥55	≥50	≥49
ZrO ₂	-	-	≥5	≥15

Categories		ceramic fiber board for wall-hung boilers and gas boiler
Density(kg/m ³)		280kg/m ³ -450kg/m ³
Common Size(mm)	L x W	customizations
	Thickness	10mm
Package		Outer pallet or carton box