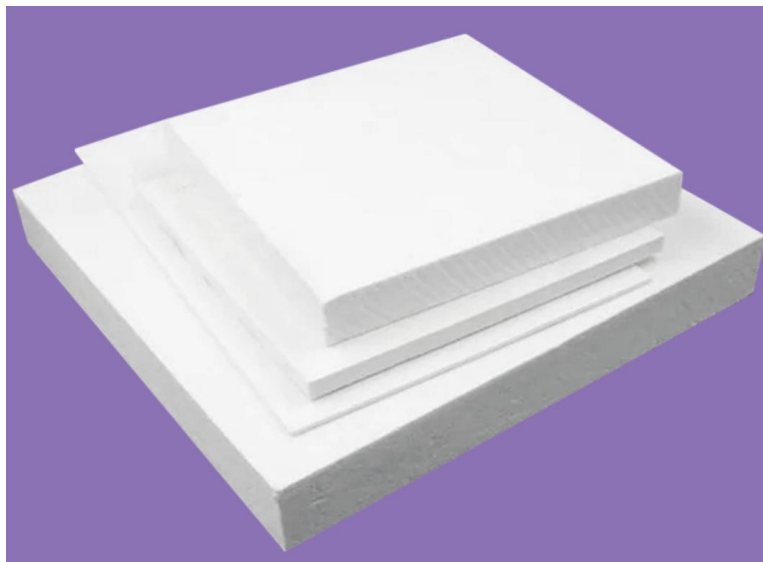


CCEWOOL® 1500°C Alumina Fiber Board for Fabrication



Classification Temperature: 1500°C
(2732°F)

Chemical Composition: Alumina, Silica
CCEWOOL® 1500°C Alumina Fiber Board for Fabrication is a high-performance rigid insulation board developed for ultra-high-temperature engineering and customized Fabrication applications. Made primarily from high-purity alumina fiber, it is produced through a wet vacuum-forming process to achieve uniform fiber distribution and a stable internal structure. Even at

temperatures up to 1500°C (2732°F), the board maintains excellent thermal stability and structural integrity. Compared with conventional industrial fiber boards, CCEWOOL® 1500°C Alumina Fiber Board for Fabrication is further optimized in fiber purity, structural uniformity, and dimensional stability. Its lower shrinkage and higher mechanical strength provide more reliable insulation performance and make it well suited as a base material for customized high-temperature components.

The product is specifically developed for Fabrication customization, rather than simply serving as a standard board for secondary processing. It can be cut, drilled, grooved, and machined into custom shapes to meet different equipment structures and engineering requirements.

CCEWOOL® also supports customized dimensions, thicknesses, and shaped components according to customer drawings, making the board suitable for laboratory equipment, high-temperature industrial furnaces, aerospace systems, and other demanding thermal insulation applications.

Characteristics:

- High-temperature stability;
- Excellent thermal shock resistance;
- High mechanical strength and rigidity;
- Low thermal conductivity;

Low heat storage;

Excellent Fabrication adaptability.

Applications:

High-temperature industrial furnace linings;

Insulation structures for heating and reaction furnaces;

Flue and high-temperature equipment linings;

High-temperature laboratory furnaces;

Laboratory heating equipment;

Thermal insulation for high-temperature testing equipment;

High-temperature structural insulation components;

Aerospace thermal protection systems;

Backup insulation behind dense refractory linings;

High-temperature expansion joint filling.

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CCEWOOL® 1500°C Alumina Fiber Board for Fabrication					
ITEM	1500	1600	1700	1800	1900
Classification temp. °C (°F)	1500(2732)	1600(2912)	1700(3092)	1800(3272)	1900(3452)
Continuous duty temperature, °C(°F)	1350(2462)	1400(2732)	1500(2732)	1650(3000)	1800(3272)
Density approx. kg/m ³	350/400	350/400	350	350/400	650/700
Linear shrinkage, %(24 hours at max. continuous duty temperature)					
1400°C	<0.5				
1500°C		<0.1			
1600°C			<0.5		
1700°C				<0.5	
1750°C					<0.2
Chemical Composition (%)					

Al ₂ O ₃	62	64	75	75	87
SiO ₂	37	35	24.5	24.5	12.5
Other	<1	<1	<0.5	<0.5	<0.5
Cr ₂ O ₃	-	-	-	-	
Thermal conductivity, W/m.K					
600°C (1120°F)	0.11	0.14	0.12	0.12	0.11
800°C (1472°F)	0.15	0.17	0.15	0.16	0.14
1000°C (1832°F)	0.27	0.24	0.18	0.19	0.17