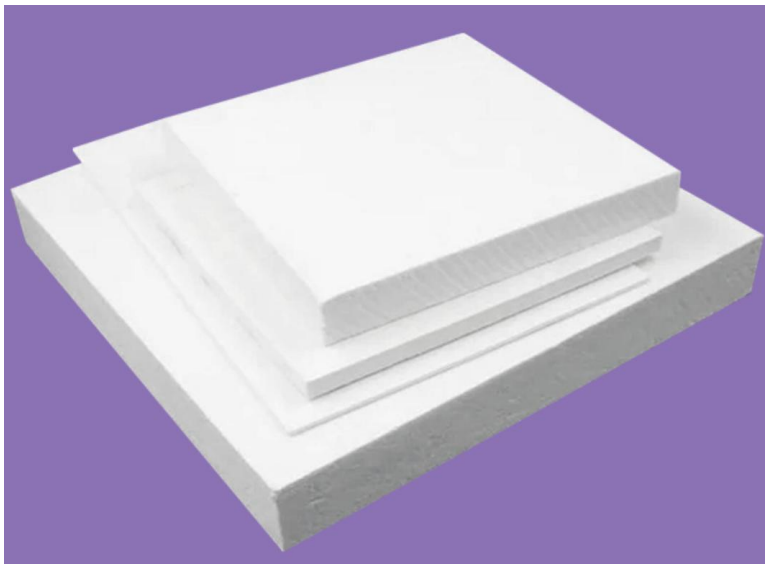
CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

CCEWOOL® Alumina Fiber Board 2732 for Fabrication



Temperature Grades 1500°C (2732°F)

CCEWOOL® Alumina Fiber Board 2732 for Fabrication is a high-performance alumina fiber insulation board developed for demanding high-temperature engineering applications. The product is manufactured from high-purity alumina fibers using a wet vacuum forming process, followed by controlled high-temperature treatment to create a stable fiber structure. This manufacturing process enables the board to maintain excellent thermal stability and structural integrity in operating environments up to 1500°C (2732°F).

Compared with conventional industrial-grade fiber boards, CCEWOOL® Alumina Fiber Board 2732 for Fabrication features improved fiber purity, enhanced structural uniformity, and superior dimensional stability. These optimizations provide lower shrinkage and higher mechanical strength under elevated temperature conditions. The uniform and dense fiber structure also makes the board particularly suitable for Fabrication and secondary processing, allowing it to be cut, drilled, or machined into various engineered insulation components.

CCEWOOL® also provides Fabrication customization services for this product. Based on equipment configurations or engineering drawings, boards can be supplied in customized dimensions, thicknesses, or complex shapes to meet the specific requirements of high-temperature industrial equipment, laboratory furnaces, and aerospace thermal protection systems.

Characteristics:

Excellent high-temperature stability;

Outstanding thermal shock resistance;

High mechanical strength and structural rigidity;

Low thermal conductivity;

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

Low heat storage capacity;

Excellent compatibility with Fabrication and machining processes.

Applications:

Industrial furnace linings;

Insulation structures for heating and reaction furnaces;

Linings for flues and high-temperature equipment;

High-temperature laboratory furnaces;

Laboratory heating systems;

Thermal insulation structures for high-temperature testing equipment;

Engineered high-temperature insulation components;

Thermal protection structures for aerospace systems;

Back-up insulation layers behind dense refractory linings;

High-temperature expansion joint filling materials.

STD:

CCEWOOL® Alumina Fiber Board 2732 for Fabrication					
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/m3	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 (%)					
Al2O3	62	64	75	75	87
SiO2	37	35	24.5	24.5	12.5
Other	＜1	＜1	＜0.5	＜0.5	＜0.5
Cr2O3	-	-	-	-	

CCEWOOL Thermomax Inc.
salesusa@ccewool.com
www.ccewool.com

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