

CERAMIC FIBER BOARD



The following grades of ceramic fiber board offered by Diversified Imports, Inc. are suitable for industrial applications to withstand temperatures of up to 2600°F. It has low thermal conductivity and low heat storage, which allows shorter cycle times and quicker access for maintenance. It is the ideal material for furnace, boiler duct, and stacks lining.

Classification Temperature:

ST Ceramic Fiber Board	1260°C (2300°F)
HP Ceramic Fiber Board	1260°C (2300°F)
HZ Ceramic Fiber Board	1430°C (2600°F)

Features:

- Low shrinkage
- Low thermal conductivity and low storage
- Lightweight
- Excellent thermal stability and thermal shock resistance

Applications:

- Petrochemical
- Metallurgy
- Steel industry
- Ceramic
- Refining
- Power plant
- Glass

TYPICAL PRODUCT PARAMETERS

	ST	HP	HZ
Physical Properties			
Color	White	White	White
Maximum Temperature Rating, °C (°F)	1260 (2300)	1260 (2300)	1430 (2600)
Recommended Operating Temperature, °C (°F)	1000 (1830)	1100 (2010)	1350 (2460)
Available Density, kg/m ³ (lb/ft ³)	300, 400 (18.75, 25)	300, 400 (18.75, 25)	300, 400 (18.75, 25)
Compress Strength, MPa (Psi)	0.2 (29)	0.2 (29)	0.2 (29)
Linear Shrinking 24 Hrs After Heating, %	≤-3 @1000°C (1832°F)	≤-2.9 @1100°C (2012°F)	≤-2.9 @1350°C (2462°F)
Thermal Conductivity, W/m·K @ 18.75 lb/ft³			
600°C (1112°F)	≤-0.13	≤-0.12	≤-0.11
Chemical Analysis			
Al ₂ O ₃	45 - 46	47 - 49	39 - 40
SiO ₂	50 - 51	47 - 50	38 - 45
ZrO ₂	-	-	15-17
Fe ₂ O ₃	<2.0	0.2	0.2
Other	≤0.5	0.5	0.5
Sizes			
1/2" x 24"	1" x 24"	1½" x 24"	2" x 24"
48" x 600"	48" x 300"	48" x 200"	48" x 150"

*Custom sizes are also available

The data shown are average results of tests under standard procedures and are subject to variation. Results should not be used for specification purpose or creating any contractual obligation. For more information on the safety application or material, please refer to the work practices and material safety data sheet.