

CERAMIC FIBER BOARD

Titan ceramic fiber board is high-temperature insulating boards vacuum formed using bulk fiber, organic and inorganic binders. This product will be used in rapid heating rapid cooling condition by "suppressing against intensity changes in high-temperature", "lightweight" and "excellent heat impulsivity". Also it has high mechanical strength as compared with other insulation materials. It can be used for hot face expose lining and backup lining for various furnaces.



ITEM ID	TIB-STD	TIB-HP	TIB-SZ
	Standard Purity	High Purity	Standard ZrO ₂
Classification Temperature (°C)	1260	1260	1430
Recommended Working Temperature (°C)	1050	1100	1350
Density (Kg/m ³)		220-400	
Linear Shrinkage (%)	1050°CX24h≤4	1100°CX24h≤4	1350°CX24h≤4
Thermal Conductivity (Mean. 500°C) W/(m.k)	≤0.151	≤0.151	≤0.151
Water Content (%)		≤2	
Loss On Ignition (%)		≤7	
Al ₂ O ₃	≥38	≥40	≥35
Al ₂ O ₃ + SiO ₂	≥96	≥98	≥84
Al ₂ O ₃ + SiO ₂ + ZrO ₂	N/A	N/A	≥99
ZrO ₂	N/A	N/A	15%
Fe ₂ O ₃	≤1.0	≤0.5	≤0.5

Thickness: 3-100mm Size: 900*600/1000*500/1000*600/1200*1000mm

Other sizes available



PRODUCT CHARACTERISTICS

- High compressive strength and long service life
- Low thermal conductivity
- Non-brittle material and good toughness
- Precise thickness and size
- Excellent wind erosion resistance
- Uniform fiber distribution and stable performance.



Typical Applications

- Backing insulation of industrial kilns of cement, ceramic, metallurgy, non-ferrous industries
- Hot water heater fire protection backing board