

AISi Ceramic Fiber Boards | Technical Datasheet

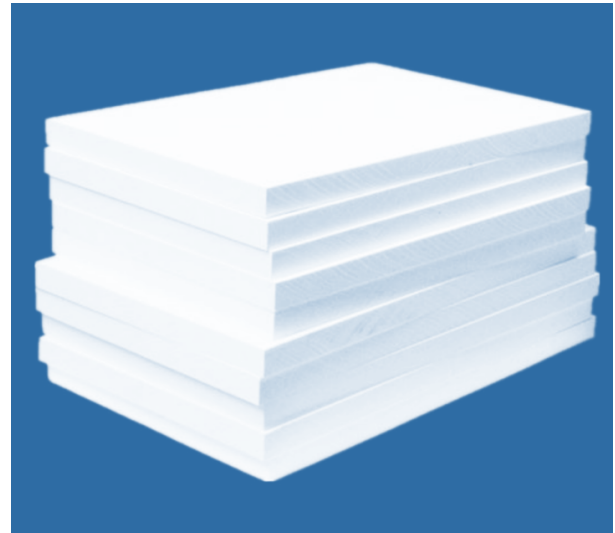
Wedge AISi Boards are high quality ceramic fiber boards processed by wet vacuum forming process. The strength of this kind of product is higher than that of ceramic fiber blanket and vacuum forming felt. It is suitable for the high temperature field where the product has steel strength requirements.

Features & Benefits

- High thermal shock resistance
- Heat resistance
- Low thermal conductivity
- Excellent chemical stability
- Non-wetting to molten aluminium
- Low heat storage
- Easy to cut and machine

Applications

- Industrial furnace lining
- High temperature pipes heat preserve
- Heat resistant sealing gasket
- Glass tank furnace Side Wall
- Power boiler and nuclear heat insulation
- Ceramics kilns thermal insulation
- High temperature filter materials



Description	B-AISi 1050	B-AISi 1260	B-AISi 1260S	B-ASZ 1430
Permanent Heating Linear Change (%)	950°CX24h≤-4	1000°CX24h≤-4	1100°CX24h≤-4	1350°CX24h≤-4
Water Content (%)	≤-1.5			
Organic Content (%)	≥-6			
Density (Kg/M3)	250~300	280~320	300~320	300~320
Al ₂ O ₃	≥40	≥43	44-47	
Al ₂ O ₃ +SiO ₂	≥95	≥96	≥98	
Al ₂ O ₃ +SiO ₂ +ZrO ₂				≥99
ZrO ₂				≥15
Fe ₂ O ₃	< 0.5	< 0.5	≤0.3	≤0.2
Na ₂ O+K ₂ O+Fe ₂ O ₃	< 0.9			
Thermal Conductivity(W/m.k)				
200°C	0.082	0.074	0.055	0.078
400°C	0.102	0.092	0.073	0.102
500°C	0.110	0.103	0.086	0.116
600°C	0.133	0.127	0.105	0.135
Cold Crushing Strength (Mpa)	0.2	0.2	0.15-0.2	0.12
Product Specifications	Length: 900/1000/1200/2400mm; Width: 500/600/1000/1200mm; Thickness: 3~125mm All sizes can be customized made			
Packaging	Carton Box outside or with pallet			
Quality Certificate	ISO9001-2008 ISO14001-2004			