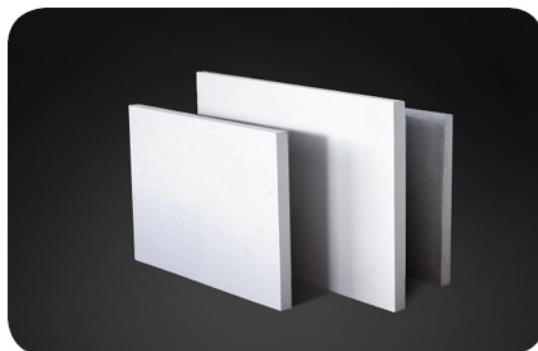


BIOWOOL® BOARD

Biowool® board is manufactured in a wet forming process using Biowool® bulk and binders. Biowool® board is designed for insulation applications experiencing vibration, mechanical stress and erosive forces. Biowool® board can reduce energy costs and cycling times due to high insulating capability, as well as providing stability to the entire refractory lining system.



Features

- Excellent thermal shock resistance
- Can be machined, cut and shaped easily
- High compressive strength and rigidity
- Low thermal conductivity and heat storage
- Light weight

Typical Applications

- Furnace hot face lining in petrochemical furnace
- Furnace hot face lining in ceramic kiln
- Back-up insulation to dense refractory linings
- Molten metal transfer
- Expansion joints

Typical Parameters

Description	BIOWOOL® 1100 BOARD	BIOWOOL® 1300 BOARD
Classification Temperature (°C)	1100	1300
Color	White	White
Density (kg/m³)	300	300
Modules of Rupture (MPa)	≥0.25	≥0.25
Compressive Strength (MPa, 10% relative deformation)	0.15	0.15
Loss of Ignition (%)	≤7	≤7
Permanent Linear Shrinkage (%)	1000°C x24h≤2.0	1260°C x24h≤2.0
Thermal Conductivity (W/m·K)		
200°C	0.05	0.05
400°C	0.08	0.07
600°C	0.11	0.10
800°C	0.12	0.11
1000°C	0.15	0.14

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