

## TaoFibre® Ceramic Fiber Millboard

CERAMSOURCE offers a premium-grade, thin, dense ceramic fiber millboard product, which has excellent insulating properties and compressive strengths throughout its temperature use range. It is produced in a unique, continuous board - manufacturing process from a blend of ceramic fibers, clay, inert fillers, and a small amount of organic/inorganic binders for increased handling strengths.

TaoFibre millboard maintains its strength and thermal stability throughout a wide temperature range up to 2300°F, has close thickness and dimensional tolerances, and is easily die-cut. These features make it an excellent choice for many gasketing applications in a wide range of industries and applications. The high density and compressive resistance make it an ideal product for refractory backup insulation, as compared to lower density vacuum formed boards or more compressible paper products.



### Typical Application

- High temperature gaskets
- Refractory backup insulation
- Thermal and flame barriers
- Parting media
- Expansion Joints
- Appliance insulation
- Personal and fire protection
- Molten metal contact
- Asbestos replacement

### Product Features

- Thin, dense, durable insulating board
- High temperature gasket product
- Excellent compressive strength
- Easily fabricated and die-cut
- Excellent back-up refractory insulation
- Asbestos replacement millboard
- Large sheet sizes
- Close thickness and dimensional tolerances
- Good thermal stability

Turn back for more specific product information.

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# TaoFibre Ceramic Fiber Millboards

## Typical Physical Properties

INDEX	
Temperature	2300 °F 1260 °C
Working Temp.	2000 °F 1093 °C
Melting Point	3200 °F 1760 °C
Color	Cream
Available Density (Kg/m <sup>3</sup> ) (lbs / ft <sup>3</sup> )	560-640 35-40
LOI (% by Wt)	8-10%
Compressive Strength MPa (psi) @ 20% deformation	12 (1740)
Thermal Conductivity W/m.k (Btu in./hr./ft <sup>2</sup> °F)	
@ 400 °C (752 °F)	.10 (0.693)
@ 800 °C (1472 °F)	.15 (1.04)
@ 1000 °C (1832 °F)	.18 (1.25)

## Typical Chemical Analysis

Al <sub>2</sub> O <sub>3</sub>	38%
SiO <sub>2</sub>	57%
ZrO <sub>2</sub>	-- %
Other	5%
Sizes Available mm(inches)	1400 x 1400 (55 x 55), 21 SQ.FT
Thickness mm(inches)	1.5 (.060), 3.0 (.118), 6.0 (.236)

Note: Any specific densities, thickness, and sizes could be accommodated with required quantities.

Refer to the Material Safety Data Sheet (MSDS) for recommended work handling and product safety information.

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