

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 insert fillers, and a small amount of organic/inorganic binders for increased handling strengths.



The millboard maintains its strength and thermal stability throughout a wide temperature range up to 2300°F, has a 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 size
- Close thickness and dimensional tolerances
- Good thermal stability

Main Properties

Description	
Classification Temp (°F)	2300
Working Temp (°F)	2000
Melting Point (°F)	3200
Color	White
Density Kg/m ³ (lbs/ft ³)	35-40 (560-640)
Compressive Strength MPa (psi) @ 20% deformation	12 (1740)
LOI (% by weight)	8-10
Chemical Composition (%)	
Al ₂ O ₃	38
SiO ₂	57
ZrO ₂	--
Other	5%
Sizes available mm (inches)	1400 x 1400 (55 x 55)
Thickness mm (inches)	1.5 (0.060), 3 (0.125), 6 (0.250)
Note: Test data shown are average results of tests conducted under standard procedures and are subject to variation. Results should not be used for specific purposes.	