

Thermal Ceramics 1401 Millboard

Composition:

A monolithic board made of ceramic fibers, clay, inert fillers, and a small amount of organic binders.

Sheet Sizes:

55"x55" in thicknesses: 1/16" 1/8" 3/16" 1/4" 1/2" Cut and fabricated to shape.

Color:

Off white

Advantages:

Thermal Ceramics 1401 millboard possesses excellent dimensional and temperature stability, low thermal conductivity and heat storage, good compression resistance and dielectric strength, and thermal shock resistance. It possesses excellent resistance to chemical attack (except for hydrofluoric acid, phosphoric acid and strong alkalis), and is unaffected by oil or water.

Applications:

The 1401 millboard can be used for high and low temperature low pressure gaskets, backup insulation, heat and flame shields, wood stove thermal barriers, dust insulation, low and high temperature dryers, parting media, and expansion joint material.

Specifications:

Density	35-40 lbs/ft ³
Maximum operating temperature	2300°F (1260°C)
Moisture content	0.5%
Tensile strength	
machine direction	750 lbs/in ²
cross direction	250 lbs/in ²
Thermal conductivity	
500°F	0.61 BTU-in/hr/ft ² /°F
1000°F	0.81 BTU-in/hr/ft ² /°F
1500°F	1.04 BTU-in/hr/ft ² /°F
2000°F	1.33 BTU-in/hr/ft ² /°F
Dielectric strength	50 volts/mil