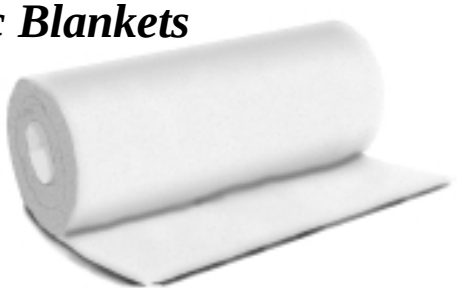
## Ceramic Blankets



| Properties | |
|---|---|
| Melting Point | 3200°F |
| Continuous Service Temp. | 2300°F -3000°F |
| Density | 8#/ft.$^3$ |
| Specific Heat | 0.25 BTU/#°F |

The Ceramic Fiber Blanket provides outstanding thermal insulation, low heat storage, high resiliency, high mechanical and thermal shock resistance, and sound absorption. The Ceramic Fiber Blanket is made from high purity refractory fibers (asbestos free) with a melting point of 3200° F. These high purity fibers average 4" in length, and are thoroughly interlaced in the production process, providing unsurpassed strength without the addition of any organic binders.

It withstands continuous use at temperatures up to 3000° F and is used for furnaces, kilns, boiler linings, and insulation, high temperature pipe insulation, pressure vessel and fire protection. Density is 8 lbs/cubic ft.

## Applications

High temperature insulation, furnace linings, mufflers, gas turbines, fans, ovens, chemical reactors, expansion joint packing, high temperature filters, fire protection, sound absorption, stress relieving insulation, non-contaminating brazing and sintering separators.

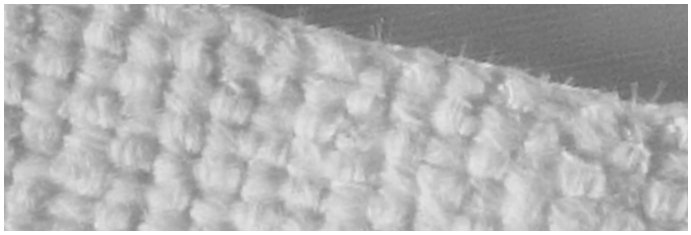
| | Size | | |
|---|---|---|---|
| Part No. | Thick. Width & Length | Temp. | Price ea. |
| 370-1 | 1/8" x 24" x 25 ft. | 2300°F | |
| 370-2 | 1/4" x 24" x 25 ft. | 2300°F | |
| 370-3 | 1/2" x 24" x 12 ft. | 2300°F | |
| 370-5 | 1" x 24" x 12 ft. | 2300°F | |

## Thermeez Ceramic Cloth

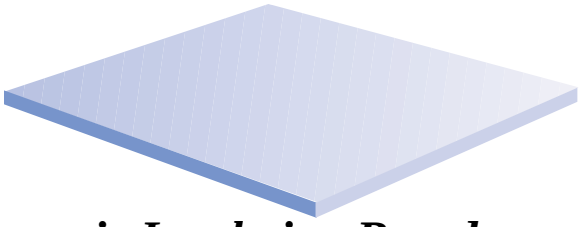
Thermeez Ceramic Cloth is a 1100°F high strength woven cloth. Thermeez 395 is a ceramic cloth (asbestos free) fabricated to replace asbestos where heat, strength, durability, dimensional and chemical stability and electrical resistance is required. The Thermeez 395 resists abrasion and fraying, and has five times the strength of asbestos cloth. The 395 Ceramic Cloth is non toxic, meets OSHA requirements, will not burn and is resistant to molten metal sparks, splashes and most chemicals and solvents. Unlike fiberglass, Thermeez 395 is non-irritating to the skin.

These products are ideal for thermal insulators, padding, gaskets, flexible curtains, splash and liquid metal protection, expansion joints, sleeving for flexible wire insulation, hoses, thermocouples, induction coils, etc.

| | Size | |
|---|---|---|
| Part No. | Thickness, Width & Length | Price ea. |
| 395-C1 | 1/16" x 40" x 5 ft. | |



| Properties | |
|---|---|
| Melting Point | 2800°F |
| Continuous Service Temp. | 1100°F |
| Density | 300#/ft.$^3$ |
| Specific Heat | 0.25 BTU/#°F |
| Dielectric Strength | 450 Volts/mil. |
| Thermal Conductivity | |
| 500°F | 0.48 |
| 1000°F | 0.90 |



## Ceramic Insulation Boards

The Ceramic insulation board is a new ceramic fiber reinforced structural alumina product. It has useful properties to 2400°F (1300°C). It has flexural and compressive strengths in the same range as high temperature plastics, but retains strength and utility to levels far exceeding maximum use temperatures of plastics. Mechanical properties far exceed those of asbestos-cement materials over all temperature ranges. Thus, this material not only makes an excellent replacement for rigid asbestos-containing products, but it may be used at much higher temperatures as well.

| Properties | |
|---|---|
| Composition | 75% Alumina, 16% Silica, 9% other metal oxides |
| Flammability | Nil |
| Organic Content | Nil |
| Color | White to Tan |
| Moisture Content | 0-2% |
| Loss of Ignition | 1-2% |
| Density | 130 pcf (2.1gm/cc) |
| Apparent Porosity | 35% |

| Part No. | Sheet Size | Price ea. |
|---|---|---|
| CS-1212 | 12" x 12" x 1/4". | |
| CS-1224 | 12" x 24" x 1/4" | |
| CS-2424 | 24" x 24" x 1/4" | |
| CS-2448 | 24" x 48" x 1/4" | |