

3000°F CERAMIC BLANKET

Super Efficient Thermal Insulation

Rescor Ceramic Fiber Blanket Insulation is a strong, lightweight, flexible blanket made from Asbestos-Free extra long, ceramic fibers, which are cross-linked to produce excellent handling strength.

Easily withstands continuous use up to 3000°F.

Provides outstanding thermal insulation, low heat storage, high resiliency, high mechanical and thermal shock resistance and sound absorption.

Resistant to oxidizing and reducing atmospheres, molten non-ferrous metals, steam, most chemicals and solvents.

(Not recommended for use with HF, H₃PO₄ and NaOH)

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.

Use Rescor 370 for all general purpose needs to 2300°F.

Use Rescor 370H for applications to 2500°F.

Use Rescor 3370UHT for applications to 3000°F.

Use Rescor 370FT (Aluminum foil backed blanket) for additional insulation and handling strength. Ideal for use as a reflective barrier.



Cutting 370 Insulation for a 2000°F Nuclear Instrument

PROPERTIES

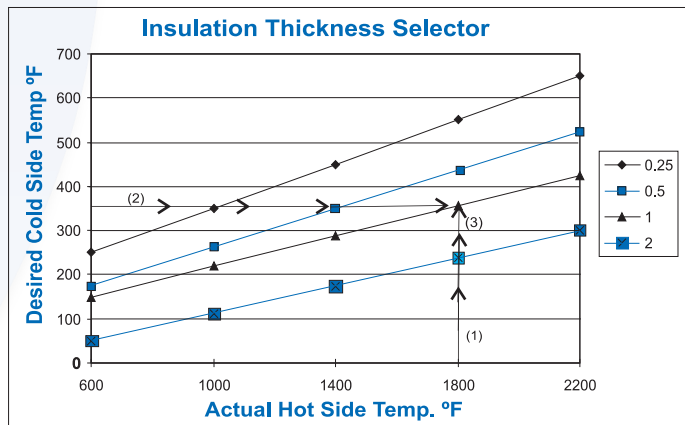
Melting Point (°F)	3200
Service Temp (°F)	2300 -3000
Density (#/ft ³)	6-12
Dielectric Constant (@ 10 ⁶ cps)	1.61
Dielectric Strength (volts/mil.)	100
Loss Factor	0.017
Specific Heat (BTU / # °F)	0.25
Thermal Conductivity (BTU-in. / Hr. Ft ² °F)	
500°F	0.38
1000°F	0.60
1500°F	0.90
2000°F	1.33

To Find your Insulation Requirements

- 1) Draw a vertical line from the hot side temperature.
- 2) Draw a horizontal line from the desired cold side temperature.
- 3) The required insulation thickness is shown at the intersection of the two lines.

Example:

For a furnace with an 1800°F working temp. and a desired outside furnace temp. of 350°F, 1" of insulation would be required.



Cat. No.	Temp. °F	Thickness	Size/Roll
370-1	2300	1/8"	24" x 25'
370-2	2300	1/4"	24" x 25'
370-3	2300	1/2"	24" x 12'
370-4	2300	1/2"	24" x 25'
370-5	2300	1"	24" x 12'
370H-6	2500	1/2"	24" x 12'
3370UHT-1	3000	1 1/2"	24" x 24'
370FT-1	(Al. Foil Backed)	1/2"	24" x 12'
370-1EHS	2300	1/8"	24" x 25'

Special Sizes, Custom Fabricated Parts and Quantity Prices on Request
See page 50, 51 for Ceramic Adhesives and Hardeners