



Kaowool®

FOR HOT JOBS TO 2300° F



QUALITY AND PERFORMANCE

Specifying Kaowool products ensures the highest quality and widest selections of high temperature insulating refractors. You can select from the wide line of products, which include: Kaowool ceramic fiber products, Fire Master® protection systems, Pyro-Bloc® ceramic fiber modules, Kaowool insulating firebrick, SF-607™ insulating products, fired refractory shapes, TR® and Superex® structural insulation, and Cease-Fire foam insulation. Contact IEP to receive more detailed information or to discuss your special requirements.

KAOWOOL TECHNICAL DATA

TYPICAL SPECIFICATIONS

Melting Point.....3200° F

Fiber Diameter

Microns (Avg.).....0.0001

Chemical Analysis

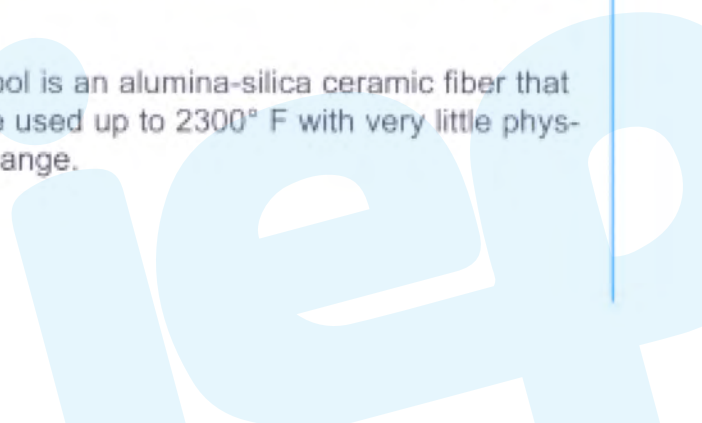
Alumina.....	45.1
Silica.....	51.9
Ferric Oxide.....	11.3
Titanium Oxide.....	1.7
Magnesium Oxide.....	trace
Calcium Oxide.....	0.1
Alkalies.....	0.2
Boron Oxide.....	0.08

Maximum Quantities of water leachable elements on surface of fiber

Boron.....	100 ppm
Chloride.....	5 ppm
Fluorine.....	50 ppm
Sulphur.....	10 ppm

Note:

Kaowool is an alumina-silica ceramic fiber that can be used up to 2300° F with very little physical change.



Kaowool Paper - Produced from cleaned Kaowool high purity fibers and organic binders in a unique paper making process. Kaowool paper is available in $\frac{1}{32}$ " to $\frac{1}{4}$ ". It has excellent thermoconductivity in temperatures from 2300° to 3000° F. Excellent for die cutting and slitting operations.



Kaowool Blanket - Contains no organic binder. Blanket will not contaminate furnace atmospheres or emit offensive odors. Maintains full structural integrity up to 2300° F. Available in nominal densities of : 3,4,6, and 8 lbs. per cu. ft. Width: 24 in. and 48 in. Length: 24 ft.



Kaowool Bulk Products - Longer fibers offer greater resiliency and recovery from compression. Lightweight, low thermal conductivity. Easily packed to high densities. Also available chopped or completely inorganic. For temperatures to 2300° F.



Kaowool Board Formed from Kaowool ceramic fibers under controlled conditions. A strong, durable board extremely resistant to thermal shock. Can be quickly cut to fit and studded for easy installation. Kaowool expansion joint board allows quicker and more uniform firebrick constructions. For temperatures to 2900° F.



Insulating Foam - Cease Fire 2000 is a unique 2 part refractory foam that forms a semi-viscous slurry that can flow to inaccessible areas to fill the smallest joints and voids. Cease Fire encapsulates all residual material and expands to 1½ times its size during the exotherming process and is excellent for use in eliminating hot spots in boilers.

Style VT-600 is designed specifically for INSITU insulation of buried steam lines. For temperatures up to 2000° F.



Non-Combustible classification per UL 723/ASTM-84 - All densities
Flame Spread.....0
Fuel Contribution.....0
Smoke Developed....0