

FIREFILL CERAMIC FIBER INSULATION

Firefill ceramic fiber is manufactured from either kaolin, a naturally occurring alumina-silica fireclay, or a blend of high purity alumina and silica. Long fibers provide high tensile strength and resiliency to withstand vibration and physical abuse.

Firefill is unaffected by oil or water. Excellent resistance to chemical attack.
(Exceptions: hydrofluoric, acid, phosphoric acid and strong alkalis.)

ASTM E-84 fire tests conducted by Underwriters Laboratories shows the following results:

FLAME SPREAD	0
FUEL CONTRIBUTED	0
SMOKE DEVELOPED	0

A complete report of the Fire Hazard Classification Tests can be found in Underwriters Laboratories Report issued September 14, 1979, under file R8418, project 79NK1036.

PHYSICAL PROPERTIES

Color	White
Avg. Fiber Dia.	2.8 Microns
Avg. Fiber Length	4 inches
Specific Heat:	
BTU/LB/°F	0.26
Use Limit	2300°F
Melting Point	3200°F

CHEMICAL ANALYSIS

Aluminum Al_2O_3	45%
Silica SiO_2	52%
Ferric Oxide Fe_2O_3	1%

K-VALUES (ASTM C-177)

Density	Average Temperature		
	0°F	50°F	100°F
6 lb./cu. ft.	.23	.25	.27
8 lb./cu. ft.	.22	.24	.26
12 lb./cu. ft.	.16	.17	.18

FUNCTION OF COMPONENT

- * Used to fill void between the pass through pipe and the sleeve to Firestop.
- * Also used for pipe insulation.



PROSET[®]
SYSTEMS
FIRESTOP PENETRATOR™

DATE :

3 - 1 - 92

DRG . NO .

F-14