



PRODUCT DESCRIPTION

In order to meet the standard of extra high temperature pipeline insulation, calcium silicate type 1000 °C which has service temperature up to 1000 °C (°F). It is a micro-porous structure insulation material is made of inorganic siliceous material, hydrous calcium silicate powder and quarts sand and lime. It is a white, asbestos free and rigid insulation product.

COMMON APPLICATION

Calcium silicate pipe cover 1000°C product has the characteristic of excellent thermal performance, high service temperature, high compressive and bending stress is widely used in power plants, metallurgy, petrochemical plants, cement industrial as well as other industrial sectors of high temperature equipment and pipe insulation.

SPECIFICATIONS AND DIMENSIONS

PRODUCTS	DENSITY (KG/M3)	THICKNESS (MM)	LENGTH (MM)
Calcium silicate pipe cover	130, 220, 240	25, 30, 40, 50, 60, 65, 70, 75, 80, 90	600, 610
INSIDE DIAMETER (MM)	Other sizes are available upon request		
16(1/4") - 4800(188")			
SERVICE TEMPERATURE: 871°C ~ 1000°C	COMBUSTIBILITY: Non-combustible		
MOISTURE RESISTANCE: The products are water-repellent.			

ITEM	SERVICE TEMPERATURE (°C)	COMPRESSIVE STRENGTH (KGF/ CM ²)	APPARENT THERMAL CONDUCTIVITY (W/M-K)	LINEAR SHRINKAGE % (982°C 24 H)	BENDING STRENGTH (KGF/ CM ²)
TUNGKIN-HTB-200	1000	0.84 (8.56)	0.06	2.0	0.45 (4.59)
JIS A-9510 No.1-22	1000	-	0.062	2.0	0.30 (3.1)
ASTM C-533 No.2	871	0.414 (4.22)	0.095	2.5	0.310 (3.162)
TUNGKIN-HTB-130	1000	0.49 (5)	0.047	2.0	0.29 (3.0)
JIS A-9510 No.1-13	1000	-	0.049	2.0	0.2 (2.0)

TEMP (°C)	K-VALUE (W/MK)
100	0.054
200	0.065
300	0.077
400	0.088
500	0.1



CALCIUM SILICATE PIPE COVER



INTERNAL DIA/ WT	THICKNESS (MM)	SEGMENTS TO CIRCLE	THICKNESS (MM)	SEGMENTS TO CIRCLE
54	50	2	75	2
62	50	2	75	2
80	50	2	75	2
104	50	2	75	2
114	50	2	75	2
127	50	2	75	2
168	50	2	75	3
214	50	3	75	4
274	50	4	75	4
312	50	4	75	5
327	50	4	75	5
339	50	5	75	5
358	50	5	75	5
370	50	5	75	TBC
384	50	5	75	6
409	50	5	75	6
420	50	5	75	6
435	50	6	75	6
460	50	6	75	6
488	50	6	75	7
492	50	6	75	TBC
496	50	6	75	TBC
511	50	6	75	6