

CALCIUM SILICATE

INSULATION

ASK CS 220

is an insulation material molded by reacting calcium silicate powder with high-pressure heat, and mixing it with inorganic fiber. It is a non-asbestos, high performance insulating material designed to provide excellent thermal insulation and heat resistance for piping and equipment in power station, steel mill and petrochemical industries as well as other various fields. It can also be specified to use in furnace as backing material of refractory bricks.

Two types: type I (650°C) & type II (1000°C)



Features and Benefits

Super-Light Weight

High Efficiency

High Insulating Effect

Asbestos Free

Superior Strength

Non-Corrosive

Technical Data

Term	Unit	ASTM C533	JIS A9510	Zhejiang ASK
Density	Kg/m ³	≤240	≤220	≤220
Maximum Service Temperature	°C	650	650/1000	650/1000
Thermal Conductivity (93°C)	W/m.k	≤0.065	≤0.065	≤0.060
Compressive Strength	Mpa	≥0.688	≥0.45	≥0.688
Flexural Strength	Mpa	≥0.344	≥0.30	≥0.35
Linear Shrinkage	%	≤2.0	≤2.0	≤2.0
Mass Loss By Turning (First 10 minutes)	%	≤20		≤20
Mass Loss By Turning (Second 10 minutes)	%	≤40		≤40
Surface Burning Characteristics	Flame Spread Index	0		0
	Smoke Density	0		0
Chlorine Content		ASTM C795		ASTM C795

Item	Slab	Curved	Pipe
Length (mm)	600	600	600
Width (mm)	300/150	150/100	0.2"- 60" (inside diameter)
Thickness (mm)	25-100	25-100	25-100

Packing: In plastic bags then in cartons. For further information on the products, including nonstandard sizes, please contact Zhejiang ASK.