

# ALASKASIL

## Extreme Performance. Extreme Long Life.



### ABOUT US

**Alaska Insulation Industries** is backed by 35 years of experience in thermal insulation industry, From Starting in 1989 as Gujarat Insulation (now ASK Insulators Pvt Ltd), a contracting firm for hot and cold insulation, to Starting our 1st manufacturing facility for cold insulation under the name “Alaska PUF industries” in 2008 and now we are manufacturing high quality hot insulation material - **Calcium Silicate**.

Our manufacturing facility spread across 20,000 Sq.ft area is located near Ahmedabad, and it is equipped with latest machinery, hi-tech automation and environment friendly approach towards production. Having production capacity of 1000 m3 per month, we can provide calcium silicate in block form for up to 1x1m size in various thickness and pipe sections precisely cut in CNC machine for various sizes. We even manufacture high density pipe supports of calcium silicate for various pipe sizes.

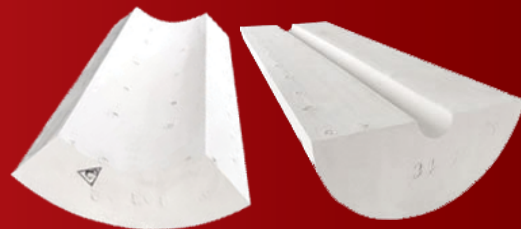
### PRODUCT DETAILS

#### ALASKASIL SLABS

Maximum size Up to 1000x1000x200mm  
(also available in beveled cut sheets)

**ALASKASIL PC:** Half-round pipe coverings up to 8inch and in multi-segments above 8inch

**ALASKASIL HDPS:** High Density pipe supports



Consistent thermal performance up to 700°C  
Can withstand high temperatures up to 1200°C

## SOLID INSULATION, SOLID ADVANTAGES

- Asbestos, Mercury & Lead free, it does not have any organic binders which may burn out at higher temperature.
- Environment & human friendly insulation product which lasts longer than others.
- Easy to dispose after end-of-life cycle, making it a green product.
- Noncombustible insulation with 0 flame spread and 0 smoke developed as per ASTM E84.
- As it is solid insulation material, retains thickness, size, shape, insulation properties etc. during full life span.
- Inhibits corrosion on carbon steel & SS piping and equipment. Prevents CIU (Corrosion under insulation).
- Longest usable life compared to any fibrous insulation, Easily removed and reapplied for multiple reusability.
- Highest compressive strength among all industrial insulation.
- Stands up to physical abuse or foot traffic during construction and operations.
- Consistent thermal performance up to 700°C.
- Can withstand high temperatures up to 1200°C (in certain grades)
- Offers wide selection in size and shape.
- Provides electrical insulation, resistant to moisture and chemicals.

## TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	VALUE
Classic temperature	°C	1000
Bulk density	Kg/Nm <sup>3</sup>	230
Cold compressive strength	N/mm <sup>2</sup>	> 1.5
Linear Shrinkage 1000°C - 12 h	%	1.7
Thermal Conductivity (ASTM C518)	W/mK	0.082 to 1.179
Abrasion Resistance (ASTM C421) Weight loss by tumbling	-	<20% after 10 minutes
ASTM C533, type 1 material specification	-	Passes
ASTM C665/C1617/C692/C871 corrosivity	-	Passes
ASTM E84 surface burning characteristics	-	Flame Spread - 0 Smoke Developed - 0
ASTM E119 Building fire test	-	Passes
ASTM E136 Non-combustible	-	Passes

## APPLICATION INDUSTRIES

### As Insulation

- Oil Refineries
- Power Plants
- Chemical Plants
- Cement Plants
- Textile & Glass Industries
- Metal Industries

### As Refractories Backup

- Lime Kiln
- Preheater
- Burner
- Boiler
- Metal Refineries
- Foundries
- Coke Oven Plant



#### Registered Office :

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