

## COMMITTED TO QUALITY. COMMITTED TO YOU.

Manufacturer and exporter of Rigid PUF/PIR materials for thermal insulation applications. Wide range of products with hi-tech manufacturing facilities.



## INTRODUCTION

We **M/S Alaska PUF Industries** commenced our business operations in year 2008 to cater the Industry demands for the Rigid PUF/PIR Insulations materials. **M/S Alaska PUF Industries** is backed by more than **30 years** of experience of **M/S ASK INSULATORS PVT. LTD** which is one of the most trusted name in Insulation Industry. We offer our customers Industry's best product quality with wide range of variety in products with timely delivery. We have established the production of **PUF/PIR Rigid Foam** and have registered an enviable position as one of the leading **manufacturer and supplier of Rigid PUF/PIR Insulation materials** in this competitive industry. With the implementation of latest technology and modern methods, we produce a broad spectrum of products such as **PUF/PIR Slabs, PUF/PIR Pipe sections, PUF/PIR Pipe Support, Pre-Insulated Pipes, PUF In-Situ applications-Injection and Spray etc.** with variety of finishing materials.



## INFRASTRUCTURE

We have a sprawling factory premises on a 10000sqft area with uninterrupted power supply and is located within half an hour from Ahmedabad city and very well connected with all major cities with transportation routes of India.

We also have our administrative office located right in the heart of Ahmedabad on C.G.road.

- 2-axis CNC cutting machine with 2500mm x 1200mm x 600mm (LWH) bed size - 2 Nos.
- HP60 PUF/PIR chemicals dispensing machine
- HF1600 High pressure PUF/PIR chemicals dispensing machine for PUF spray and in-situ
- 12feet x 6feet wide hydraulic press - 1 Nos
- Air compressors - 2 Nos
- Chiller machine for chemicals - 1 Nos
- Vertical block cutting and puf support cutting machine - 2 Nos
- Various size of molds for pipe sections, slab and pipe supports.
- Bag filter with 9bag system for waste collection - 1 Nos
- Multi-racked storage system





## PRODUCTS

As a reliable business entity, we produce quality assured products at market leading prices. All the products are manufactured using high grade of raw material mainly procured from world leaders of **PUF Chemicals Manufacturers like HUNTSMAN, BASF, BAYER, DOW, NIPPON** etc. Our products exhibit high quality at most reasonable rates. The active support provided by our skilled team of employees and advanced infrastructure has helped us in producing wide range of products described as following:

### PUF/PIR Pipe Section

- Available for Pipe Sizes (NB) : 15 to 500
- Length (mm) : 1000
- Thickness (mm) : 20 to any thickness
- Upto 100mm in Single layer and above in Multiple-Layers
- Also available single and multi-layers in multiple segments with step cut at edges for better sealing of joints cut by state of the art CNC Cutting Machine.
- Elbows, Bends and T-joints available as per requirement.



STEP CUT SECTION



MULTI-LAYER MULTI-SEGMENT  
PIPE SECTION



QUARTER PIPE SECTION

### PUF/PIR Sheet

- Standard Sizes (mm) : 1000 X 1000  
1000 X 500
- Thickness (mm) : 15 to 500
- Corrugated sheet and other customized shapes available on request



### Laminated PUF/PIR Pipe sections & Sheet

Factory laminated PUF/PIR Slabs and Pipe Section with variety of materials like

- Craft paper
- Bituminized Hessian cloth
- Aluminium foil
- Aluminized paper with Fiber thread reinforcement
- Fiber glass cloth
- Fiber glass tissue paper etc.



### PUF/PIR High Density Pipe Supports

PUF High Density Pipe Support

- Square & Round Shapes
- Available for Pipe Sizes (NB) : 15 to 900
- Dimensions as per customer specifications.
- Available Density (Kg/M3) : 100 to 500
- MS Clamps also available for as per requirement.
- PUF High Density Support for isolation of structure from foundation for cold storage industries, gas storage tanks, chemical storage tanks etc.





## Pre Insulated PUF/PIR Pipes

- Available for Pipe Sizes (NB) :15 to 200
- With Service – Carrier Pipes of Steel, Stainless Steel, Plastic, Copper (Seamless or Welded)
- Casing or Jacket Pipe of Plastic - PVC/HDPE (In Various Colours) Metal – Aluminium, Stainless Steel, Pre-Coated GI Sheets
- Elbows, Bends and T-joints available as per requirement
- Insulation for High Temperatures are also available as PUF + Rock Wool/Calcium Silicate

Special Sizes and Thicknesses are available on request



## PUF Spray and In-situ insulation

- On site PUF insulation is done by using low pressure dispenser machine and spray gun.
- PUF In-situ Injection work for the Pipelines, Chemicals Processing Reactors, Liquid Gas storage tanks, Large diameter pipe sizes, Cavity filling, AHU Panels, Fire Proof Doors, Shipping Containers, etc.
- PUF Spray Insulation on the roofs as over deck insulation with Polyurea Coating.
- Various thickness and density can be achieved.



## PUF/PIR Pipe Bends and Joints

- CNC cut precised bends and T-joints for easy installation
  - Elbow bend, angle end in various pipe sizes
  - T-Joint, Y-Joint in various pipe sizes
  - Standard Sizes (mm): 1000 X 1000  
1000 X 500
  - Thickness (mm): 15 to 500
- Special Sizes are available on request.



## CUSTOMIZED PUF SHAPES

Customized shapes and sizes available as per the client demand, like

- PUF Supports for Ceramic Industries
- Model Making
- Wind Mill Blades
- Floating Buoys
- Corrugated PUF Sheets for Pre Fab Walls & Roofs





TYPICAL CHARACTERISTICS OF RIGID PU FOAM  
AS PER IS12436 & ASTM C 591 STANDARDS

Sr. No	CHARACTERISTICS	PUF/PIR AS PER IS 12436		PU/PIR (TYPE-II) AS PER ASTM C 591	
		RESULT	UNIT	RESULT	UNIT
1	AVERAGE DENSITY (kg/m3)	36-40	kg/m3	40-45	kg/m3
2	COMPRESSIVE STRENGTH	205	kN/m	240	kPa
3	CLOSE CELL CONTENT	85	%	90	%
4	WATER ABSORPTION	0.5	max % by volume	0.7	max % by volume
5	WATER VAPOUR PERMEABILITY	8.5	max (ng/Pa-s-m)	5.1	max (ng/Pa-s-m)
6	THERMAL CONDUCTIVITY	0.021	AT (MEAN TEMP. (W/m-K) at 10 °C)	0.025	AT (MEAN TEMP. (W/m-K) at 10 °C)
7	DIMENSIONAL STABILITY max linear change AT 100 °C (+/-) 2 °C	2	%	2	%

TEMPERATURE vs THICKNESS CHART

Pipe NB in MM	Pipe Section ID	Temp. Deg C																												Thickness of PUF in mm		
		-180	-170	-160	-150	-140	-130	-120	-110	-100	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90		100	110
15		130	120	120	120	110	110	100	90	80	70	70	70	60	60	60	50	50	40	40	30	30	30	30	30	30	30	30	30	30	30	30
20		130	120	120	120	110	110	100	90	80	70	70	70	60	60	60	50	50	40	40	30	30	30	30	30	30	30	30	30	30	30	30
25		140	130	130	130	120	120	110	100	90	80	80	80	70	60	60	50	50	40	40	30	30	30	30	30	30	30	30	30	30	30	30
32		140	130	130	130	120	120	110	100	90	80	80	80	70	60	60	50	50	40	40	30	30	30	30	30	30	30	30	30	30	30	30
40		150	150	140	140	130	130	120	110	100	90	90	90	70	60	60	50	50	40	40	30	30	30	30	30	30	30	30	30	30	30	30
50		150	150	140	140	130	130	120	110	100	90	90	90	80	70	70	60	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30
65		170	160	150	150	140	140	130	120	110	100	100	100	80	70	70	60	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30
80		170	160	150	150	140	140	130	120	110	100	100	100	80	70	70	60	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30
100		190	180	170	170	160	160	140	120	110	100	100	100	90	70	70	60	60	50	50	30	30	30	30	30	30	30	30	30	30	30	30
125		190	180	170	170	160	160	140	130	120	110	110	110	90	70	70	60	50	50	50	30	30	30	30	30	30	30	30	30	30	30	30
150		210	200	190	180	170	170	150	130	120	110	110	110	100	80	80	70	60	50	50	30	30	30	30	30	30	30	30	30	30	30	30
200		210	200	190	180	170	170	150	130	130	110	110	110	100	80	80	70	60	50	50	40	40	40	40	40	40	40	40	40	40	40	40
250		220	210	200	190	180	180	160	140	130	120	120	120	100	80	80	70	60	60	40	40	40	40	40	40	40	40	40	40	40	40	40
300		220	210	200	190	180	180	160	140	140	130	130	130	110	90	90	70	70	60	60	40	40	40	40	40	40	40	40	40	40	40	40
350		230	220	210	200	190	190	160	150	140	130	130	130	110	90	90	80	70	60	60	40	40	40	40	40	40	40	40	40	40	40	40
400		230	220	210	200	190	190	170	150	140	140	140	140	120	90	90	80	70	60	60	40	40	40	40	40	40	40	40	40	40	40	40
450		240	230	220	200	200	200	170	160	150	140	140	140	120	90	90	80	70	60	60	40	40	40	40	40	40	40	40	40	40	40	40
500		240	230	220	200	200	200	170	160	150	150	150	150	120	100	100	80	80	60	60	40	40	40	40	40	40	40	40	40	40	40	40
Flat Surface		270	250	250	210	200	200	190	180	170	170	170	170	150	130	130	100	100	100	100	50	50	50	50	50	50	50	50	50	50	50	50

Design Criteria

Ambient temperature : 40 deg c | Relative humidity : 85%  
Wind velocity : 2 m/s | Thermal conductivity : 0.02 w/mk

TEST CERTIFICATES





## APPLICATION OF OUR PRODUCTS

PUF/PIR insulation materials can be utilized for the wide temp. range of -180C to +150C. It is used mainly for following industries:

**Refrigeration Systems:** Dairy, Pharmaceuticals, Chemicals, Fish and Food processing units.

**Utility Systems:** Chilled water, Brine water plants, Pipe lines of most industries.

**Gas and Oil sector:** Pipe lines and process equipments.

**Under deck insulation:** Buildings and roof structure.

**Over deck insulation:** PUF spray on building and roof structures.

**Storage systems:** Liquid/gas storage tanks and pipe lines.

## OUR REPUTED CLIENTS

### PETROCHEMICALS INDUSTRIES

adani



Reliance  
Industries Limited



### PHARMACEUTICALS

aculife<sup>™</sup>  
HEALTHCARE

Cadila  
Healthcare Limited



INTAS

amneal

DWD  
PHARMACEUTICALS LTD.

Emcure

torrent  
PHARMA

### CHEMICAL INDUSTRIES



Bharat Rasayan



NIRMA



SAJJAN INDIA  
LIMITED



### FOOD INDUSTRIES



PATANJALI<sup>®</sup>



### SERVICE PROVIDERS



LANCO

PENTAIR



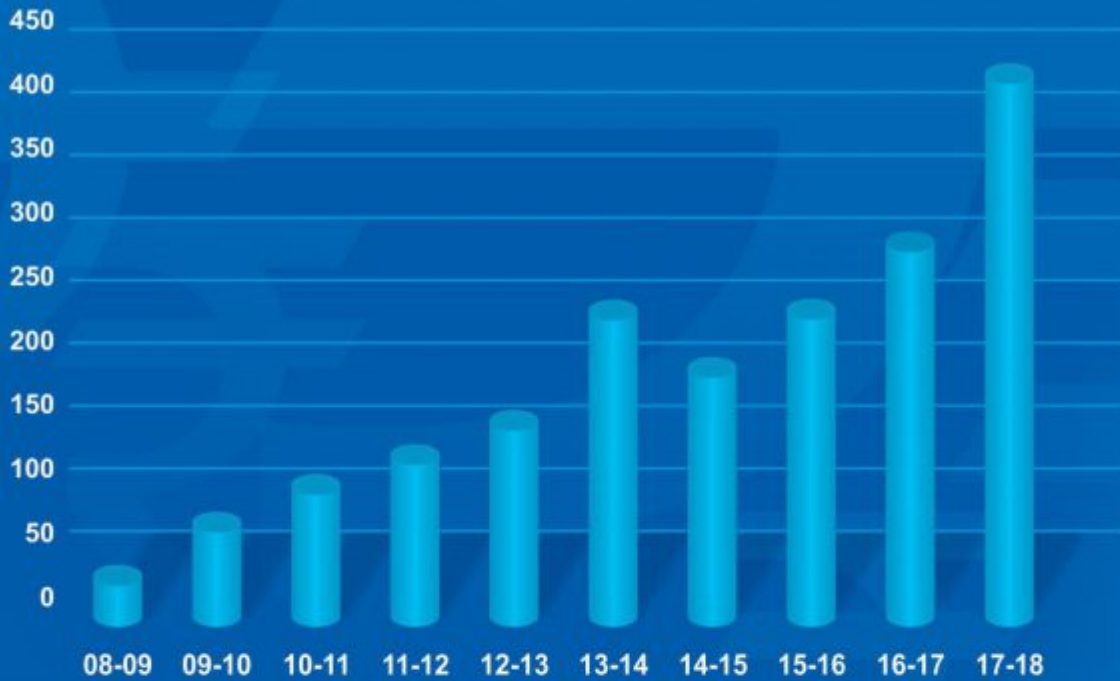
### HVAC INDUSTRY



Bhilosa<sup>®</sup>  
Industries Pvt. Ltd.

### TEXTILE INDUSTRIES

## ANNUAL TURN OVER (IN LACS) - YEAR 2008 TO 2018



### REGISTRATION DETAILS

- GSTIN Registration No. : 24AAPFA5449Q1ZR
- Permanent Account Number : AAPFA5449Q
- Udyog Aadhar Number : GJ01B0109175
- Bankers : Kotak Mahindra Bank



**Office :** 911, Atlanta tower, Gulbai tekra, Nr. Panchwati Cross Roads, Off C.G. Road, Ahmebabad-380006. | Office 07926467451  
**Factory :** Survey No.676/677/678A, Vill. Chaloda, Sarkhej-Dholka Highway, Tal.Dholka, Dist. Ahmedabad, Gujarat

**V D Jhala**  
9825073692  
vdjhala@alaskapuf.com

**Karmraj Chudasama**  
8141433999  
karmraj@alaskapuf.com

**Divyaraj Jhala**  
8200100912  
divyaraj@alaskapuf.com

website : [www.alaskapuf.com](http://www.alaskapuf.com)

