



Puf Insulated Sandwich Panels



**Omkar Puf Insulation Pvt. Ltd.**

Prefabricated sandwich panel with polyurethane insulation is the best solution for wall and ceiling partitions and cold rooms. Formed in place with fire retardant polyurethane using high pressure, CFC-free and use of HCFC 141B technology which results in a superior insulation and construction material.

These sandwich panels are design for a fast and easy assembly. OPIPL Sandwich Panel comprises of two steel skin (Pre-painted Galvanized Iron Sheet - PPGI) that are bonded with high pressure injected polyurethane foam with tongue and groove joint system complete with cam-locking mechanism.

Our slim insulated partitions enable you to divide your interior space into cool and normal temperature zones. With a desired thickness of insulating Polyurethane foam inside, our partitions can be used in any office and provide a visually appealing interior look and reduce your energy consumption at the same time.

**CAM LOCK SYSTEM**

A cam lock is a device that is embedded at precise locations alongside the edges of our insulated panel. The cam lock fasteners come in pairs; a male cam lock latch and a female cam lock receptacle.

Insulated panels are joined together in required lengths to assemble partition walls, ceilings and floor. It is well organized Tongue & Groove system which utilizes the Cam locks to achieve superior tightness and insulation. Panels slip into place allowing for easy and rapid installation, whilst improving structural strength and thermal efficiency and also offering a clean, smooth aesthetic look.

**ADVANTAGES OF PUF INSULATED SANDWICH PANELS:**

- ▶ Thin walls, Fast installation
- ▶ Partitions or Rooms can be dismantled and reinstalled.
- ▶ Outstanding load bearing capacity, High impact resistance.
- ▶ Hygienic, Odorless
- ▶ Long life and durable
- ▶ Resistant to most oils, chemicals and solvents
- ▶ Fire resistant.
- ▶ Minimizes electric consumption.

We provide partition and ceiling panels in any desired surfaces such as:

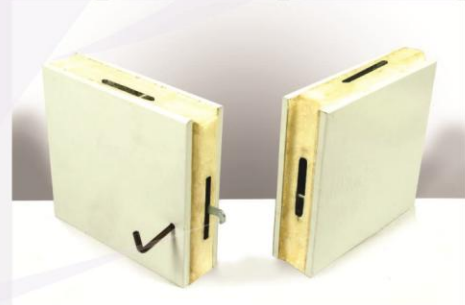
- ▶ GI Pre coated, SS, Ply, FRP Sheets, Aluminum.

**PRODUCT DETAILS:**

- ▶ Length - Up to 6mtr.
- ▶ Thickness- 50mm to 150mm.
- ▶ Width - Up to 1.2mtr.
- ▶ Density - 40 kg/m3

Tongue and Groove with specially designed CAM LOCKS provided.

Note- 25mm to 40mm thickness available up to certain length without CAM-LOCKS.



**COMPLETED SITE JOBS**

**PARTITIONS & CEILING**



MAHINDRA SONA LIMITED, NASHIK



PEPSICO, RANJANGAON

**MACHINERY ENCLOSURES**



VCTPL, VISAKHAPATNAM



STERLITE TECHNOLOGIES LTD, SILVASSA



RUCKSON PACKAGING, RABALE

Clean Room Doors offered comes in quality G.I. OR Stainless Steel construction finish and provides for durable, long lasting usage support. These clean room doors also come with drop bottom seal as well as special hinge design so as to avoid accumulation of dust. Some of its features include Aluminum door frame finish, G.I. or S.S. door leaf, superior PUF insulation material support, lock with handle, flush type sealed door options, allows for air tight fully flush connection between wall panel, door frame and door leaf, offers superior chemical and corrosion resistance among others. Rigid PUF insulation of 40 kg/m<sup>3</sup> density is injected from high-pressure foaming machines for uniform density throughout the door. The doors are durable, reliable, safe and economical.

### CLEAN ROOM DOOR SPECIFICATIONS:

SINGLE LEAF AND DOUBLE LEAF.

- ▶ STANDARD SIZE FOR SINGLE LEAF DOOR IS 900MM\*2100MM
- ▶ MAXIMUM WIDTH OF SINGLE LEAF DOOR CAN BE MANUFACTURED UPTO 1200MM AS PER CUSTOMER`S REQUIREMENT.
- ▶ DOUBLE LEAF DOORS CAN BE MANUFACTURED IN COMBINATIONS AS PER CUSTOMER`S REQUIREMENT.
- ▶ COLOR COATING CAN BE DONE IN STANDARD SHADES WITH GUARD FILM.



**SINGLE LEAF DOOR**

### TECHNICAL SPECIFICATIONS:

- 1- DOOR LEAF THICKNESS - 41MM
- 2- GI DOOR LEAF METAL THICKNESS - 0.8MM
- 3- EXTERNAL FRAME METAL THICKNESS- 1.5MM
- 4- OVERALL FRAME THICKNESS - 63MM
- 5- INFILL - RIGID PU FOAM 40KG/M<sup>3</sup>
- 6- STANDARD DOOR ACCESSARIES :  
SS HANDLE, VIEW GLASS, SS HINGES, DOOR CLOSER, DOOR LATCH, DOOR SEAL (IF REQUIRED).

### SALIENT FEATURES OF OUR CLEAN ROOM DOORS:

- ▶ Non-porous surface
- ▶ Good stability towards water-vapor
- ▶ High scratch and impact resistance
- ▶ High chemical resistance
- ▶ Antistatic
- ▶ Maintenance free
- ▶ Maintains leak proof atmosphere



**DOUBLE LEAF DOOR**

### SEE THROUGH GLASS WINDOWS

All window units for the modular clean room system are double glazed, and fit flush with both surfaces of the wall panel system. Each unit is constructed of two panels of 5+5 mm Tempered glass with Double glazed flush view panels. These two panels sit within a structured framework and air fills the space between the two panels. These easy-clean windows add visibility and transparency to modular clean rooms. We provide single-pane or double-paned see through glass to meet your needs.

It is completely silicone sealed, and includes a micro-perforation profile with an integral silica gel moisture absorption system, designed to eliminate fogging. Right angled corners add to the strength of the clean room window unit and enhance their appearance.

OVERALL DOUBLE SIDED GLASS THICKNESS CAN BE AVAILABLE IN 50MM, 60MM, 80MM, 100MM.

Single-paned toughened glass of thickness 5MM onwards also can be provided as per customer`s requirement.

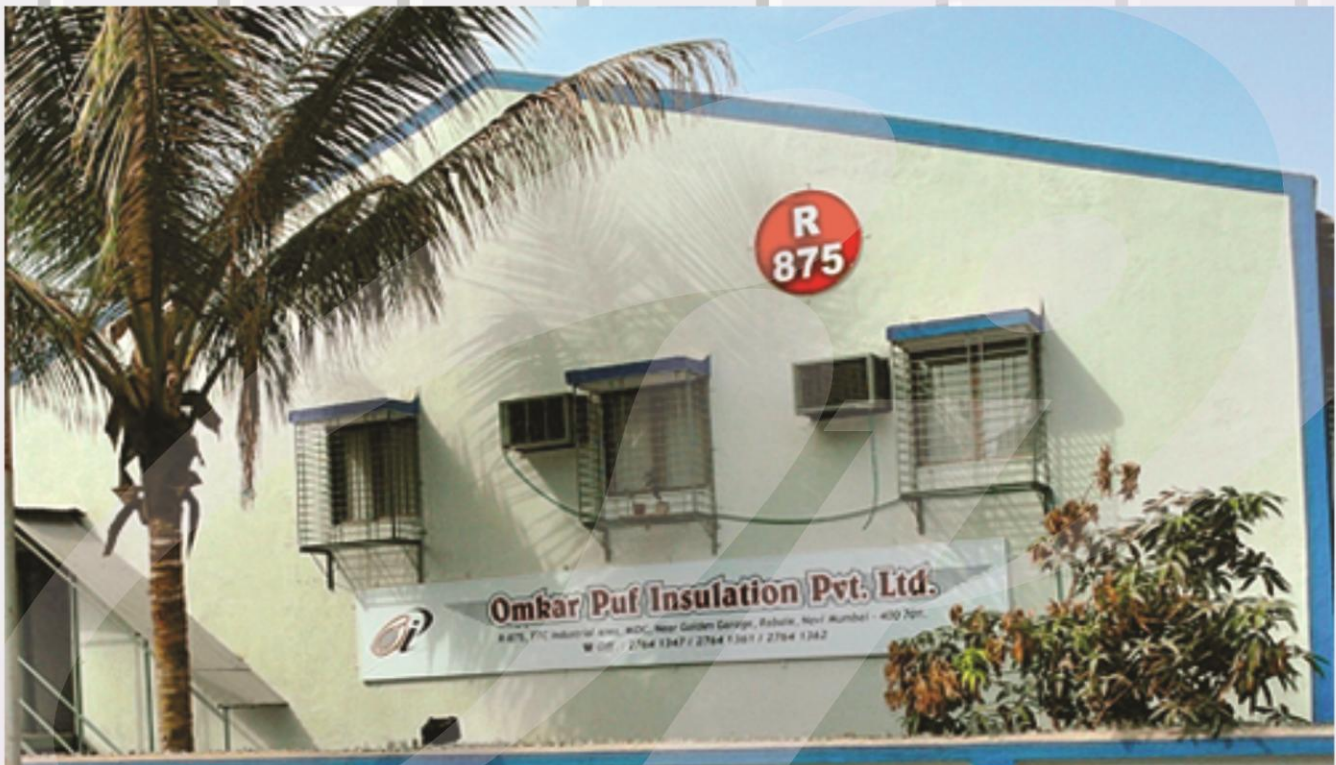


OMKAR PUF INSULATION PVT. LTD. is one of the most eminent manufacturers and suppliers of RIGID POLYURETHANE FOAM for VARIOUS INSULATION REQUIREMENTS. We have developed a set of high performing products and achieved incomparable market presence, specifically for matchless quality. The incorporation of high- end technologies and procedures ensure prolonged subsistence and durability of every product.

We manufacture custom designed RIGID POLYURETHANE FOAM INSULATION MATERIAL that perfectly matches the demands of our clients. Our equipment feature modern designs, premier quality and innovative technology, and are highly in demand in the market.

We have a well structured logistics, along with our expertise that helps us deliver the most appreciated products in the market. With our quality standards, we have created a benchmark in the industry.

Our trustworthiness and professionalism have made us stalwarts in the industry, which has helped us win a huge client base with each passing year. We manufacture the topmost quality of products through our highly organized manufacturing facility. Our experienced and well qualified personnel have enabled us succeed in the market with their expertise and assistance. Backed by our efficient personnel, we have been able to carve a niche for ourselves in this highly competitive market segment.



**Omkar Puf Insulation Pvt. Ltd.**

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