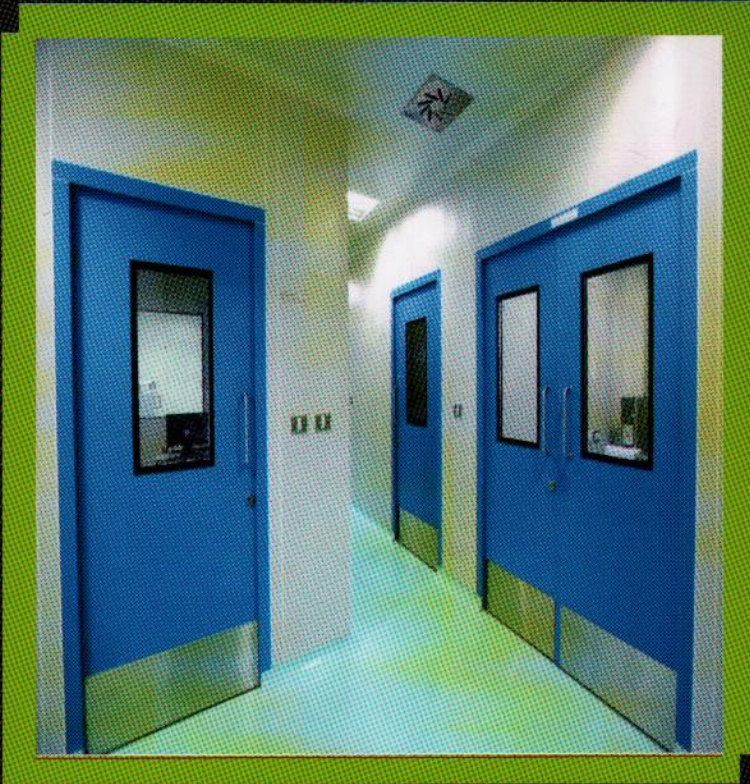




ACE prefab

BUILDERS & ENGINEERS

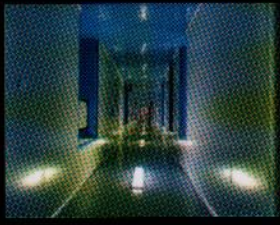


We **ACE-PREFAB** are engaged in the manufacturing of pre-fabricated accommodations & Pre-Engineered Buildings (PEB) for almost two decades, having in-house facilities for designing, manufacturing and erecting various types of pre-fabricated structures that are widely used in Defence and other Govt. Organizations. We maintain high quality standards as per the Director General Quality Assurance (D.G.Q.A) and ISO 9001:2008 certifications etc.

- We manufacture and expertise in wide range of insulation solutions for various sectors like Pharmaceutical industries/Healthcare facilities (Clean Room) etc. We provide cut to size panels with thickness ranging from 30mm to 200mm in metallic tongue and groove locking systems.
- We do undertake turnkey pharmaceutical projects for design, fabrication and installation of PUF-insulated walls, roofs and door panels duly powder coated in desired shades.
- We also manufacture and supply Pharma doors as per specifications, sizes & shapes powder coated in required shades along with complete fittings & accessories.
- We have also developed PUF insulated FRP tanks/SS tanks meant for wider range of temperature variation ranging from (+50°C) desert temp. to (-40°C) high up altitudes.
- Besides this we are having complete range of our products as given hereunder:-



POWDER COATING PROCESS FOR METALS



In order to develop environment and human friendly products we need pre-treatment of chemicals for surface preparation and coating with very high precision German/Swiss technology for better finish and desired microns of coating, using the world's best quality of pure polyester powders of Interpon Ackzonoble Company. These powders are for exterior use without getting faded & are having long life.

The powder coating is to be given using Gema technology from Switzerland.

Following steps are followed for the powder coating treatment :-

- A) Surface preparation
- B) Coating of surface
- C) Baking of coating surface

A) SURFACE PREPARATION:-

Since powder coating is a fine finished process, so for MS seven step treatment is followed for surface preparation & four step treatment for Aluminium.

DE GREASING: - First step to take care for removal of grease component from metal surface with the help of non-caustics based de greasing powder at 60-80 degree Celsius temperature for 10-15 minutes dully dipped in tank.

PLAIN WATER RINSE: - Dipped / washed / rinse in chamber of water to have Ph- 7 to 8.

DERUSTING / DESCALING: - De-rusting & de greasing chemical blended with special wetting agent as inhibitor for de-rusting medium to light duty & oil from metal surface at working temperature of 40-50 degree Celsius for 10-15 minutes to make surface rust / scale free.

WATER RINSE: - To make surface free from chemical to attain desired PH value.

SURFACE CONDITIONING: - Additional surface conditioning with clear plain water for further better results.

PHOSPHATING: - Zinc calcium modified hot process phosphate given light smooth & micro crystalline coating layer at operational temperature of 60-70 degree Celsius for 8-10 minutes.

WATER RINSE: - To remove foreign elements to maintain Ph value.

PASSIVATION: - Crome based chemical for zinc phosphate coating at ambient temperature of 60-70 degrees Celsius for 45-60 seconds for further best results of coating.

After for surface treatment, surface is ready for coating in desired shades.

Similarly for Aluminum we follow four step for treatment of surface i.e de greasing, water rinse, chromating & water rinse with different chemicals.

B) SURFACE COATING :-

As mentioned above after Passivation, surface is ready for coating, we use German GM-03 guns for surface coating to ensure proper quality of coating & micron thicknesses. process is done in fully enclosed chamber to have dust free environment.

C) BAKING OF COATED SURFACE :-

Finally after coating the coated material is baked in pre-heated oven at a temperature of 180-200 degree Celsius to have proper finish / life / coating etc.

- THIS IS LONG LASTING PROCESS
- NO MAINTENANCE REQUIRED
- COST EFFECTIVE
- FREE FROM RUST/ERROSION
- BETTER FINISH.
- CHOICE OF COLOUR AVAILABILITY
- ONE TIME INVESTMENT.



ACE PREFAB PUF INSULATED PANELS RANGE OF PANELS WITH VARIOUS THICKNESSES (30-200mm)



A. PREFAB PUF PANELS:-

Designing & manufacturing of panels of PPGI/Powder coated sheet with 90° metallic bends in metallic tongue & groove joint systems for proper sealing, airtight, strong, minimal wastage, cut to size with precision which curtail wastage at site in comparisons to continuous line panels which require cutting at site as they come in standard widths of one metre only hence our panels are specially designed to suite pharma industries, hospitals, cold storage & high end clinics and precision works.

B. PUF PANELS WITH CAM-LOCK ARRANGEMENT :-

Specially designed panels for Indian Army shelters with **full metallic** bends on both sides in vertical line of panels with tongue & groove joints & cam-lock locking system which provides additional strength, proper alignment, sealing and airtight joints and locking systems. Our panels are strong enough like solid brick-wall with zero percent wastage fabricated cut to size as per requirements.



C. POWDER COATED PUF PANELS :-

We manufacture powder coated panels in desired shapes in high quality fine finish for specialized applications in operation theaters, clinics, hospitals, pharmaceutical industries & research laboratories etc.

D. CLEAN ROOM PANELS PHARMACEUTICALS INDUSTRY :-

For pharmaceutical industry clean rooms we provide high precision, specially designed factory made View panels, Riser panels and clean room Doors with all SS-304 grade accessories. In clean room insulated doors we use poly-urethane foam instead of honeycomb and rock-wool for cleaner environment and better insulations.



E. ROOF TOP PANELS

we also manufacture roof panels with trapezoidal shape on roof top for strength & interlocking which can withstand any adverse climate conditions.

F. FLOOR PANELS :-

Floor panels with wooden, fiber-glass & ceramic/stone top finish in PUF insulation can also be manufactured to suit customer needs and requirements.

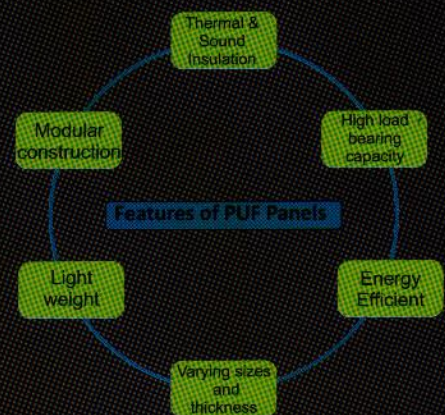


G. FRP PANELS :-

We also provide fiber glass reinforced panels for various purposes like cladding/checkered finished floor panels etc.

SPECIAL FEATURES

- ZERO WASTAGE.
- CUT TO SIZE PANELS.
- PROPER JOINT SEALING.
- HIGHLY STRONG DUE TO METALLIC BENDS.
- LABOUR COST SAVING.
- ENERGY EFFICIENT.
- TIME SAVINGS, EASY ERECTION AND INSTALLATION.
- COST EFFECTIVE.



- ❖ Pre-engineered Buildings.
- ❖ Industrial sheds/Ware Houses.
- ❖ Cold Storages with PUF panels.
- ❖ Prefab Habitats.
- ❖ Multi-story Shelters.
- ❖ Relocatable / Mobile Shelters.
- ❖ Prefab School & College Buildings.
- ❖ PUF- Insulated Tanks.
- ❖ Security Guard Cabins.
- ❖ Clinics & Dispensaries.
- ❖ Mobile Toilets.
- ❖ Prefab Cottages for resorts.
- ❖ Telecom Shelters.
- ❖ Bullet Proof Shelters (Defence)



We have a dedicated team of highly qualified design & technical personnel looking into design & technical aspects of the projects being under-taken by the company in order to ensure complete customer's satisfaction & timely completion.

SPECIAL FEATURES OF ACE PREFAB PUF INSULATED PANELS:

PUF Insulated Sandwich Panels with thickness range from 30mm to 200mm and with variable sheet thicknesses and shades/colours (as per requirements) with minimum PUF Density of $45 \pm 2 \text{ Kg/m}^3$ in Metallic tongue and Groove joint system with 90° (Degree) bends for proper Sealing, Air tight, Strength, Minimal leakage, cut to size with Precision in order to curtail Wastage & Labour at site. We are **manufacturing POWDER COATED PANELS** using the German/Swiss technologies and using the worlds best powders internationally excepted of Interpon Ackzonoble with minimum 60-80 micron thickness of coating under our brand name "**ACE PREFAB**".

OUR VALUABLE CLIENTS:-

PHARMACEUTICAL INDUSTRIES

- CLEAN ROOMS
- HOSPITALS
- R & D CENTERS

FOR PRE FAB + PEB BUILDINGS

- INDIAN ARMY/I.T.B.P./AIR FORCE/BRO/C.I.S.F./C.R.PF./B.S.F.
- CENTRAL GOVT. PROJECTS
- PUNJAB GOVT.
- HARYANA GOVT.
- HARYANA POLICE
- HIMACHAL GOVT.
- MILKFED PUNJAB (VERKA)
- HARYANA DAIRY DEVELOPMENT CO-OP. (VITA)
- COLD STORAGES.
- REFRIGERATED VANS/VEHICLES.
- GOVT. e-MARKET (GEM)




ACE
prefab

ACE BUILDERS AND ENGINEERS

HEAD OFFICE :- # 669, SECTOR 11-B, Chandigarh-160011.

FACTORY :- VILL- SAMGOLI, DERA BASSI (PB.)
MOB. NO. 9888300888/8467085458/9888088560/9876564422

EMAIL :- info@aceprefab.com/sales@aceprefab.com
Web site :-www.aceprefab.com