

BestTekLOZA®

INDIA

Best Quality, Best Performance

www.bestekLoza.in



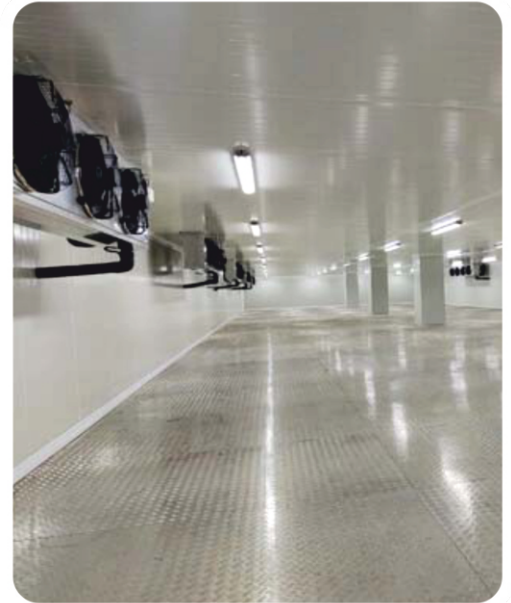
Pre Engineered & Pre Fabricated Buildings, Cold Rooms, Clean Rooms, Shelters, PUF Slabs

Best Engineering Strength Totally Equipped with Knowledge for Large Operational Zone Accomplishment

BestekLoza is a leading manufacturer of PUF (Polyurethane Foam) Panels in India through CNC Machineries. We are dedicated to deliver high-quality and innovative products that cater to a wide range of applications, which includes,

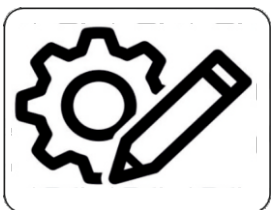
- Food processing industry
- Cold storages
- Clean Rooms
- Telecom Shelters
- Fruit & vegetable storage
- Milk & dairy industry Floriculture industry
- Prefab buildings
- Warehouses
- Ripening chambers
- Seafood industry
- Meat & poultry industry
- Pharmaceutical storage

The production process at BESTEK Prefab, the best polyurethane foam PUF Panels Manufacturers in India is an array of innovative automation and precise operations that offer a wide portfolio of ingenious polyurethane panels solutions.



Features of BESTEK PUF Panel

- Improved thermal and acoustic insulation
- Supreme flame retardation with self extinguishing property
- Energy savings for enormous economic benefits
- Offered in endless dimensional requirements
- Lifetime durability and high load bearing capacity
- Premier water and vapor resistance
- Flexible design options
- Easy installation and low maintenance requirements
- Polyurethane foam insulation panels are 100% environment friendly



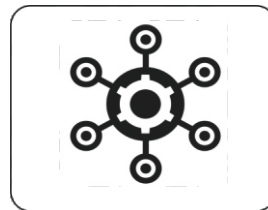
Customise solution



Quality



Best performance



Service Network



Ecofriendly

The manufacturing takes in CNC automated process, with customize panel and automated PU injection and Press Bed to give uniform thickness



CNC Turret Machine



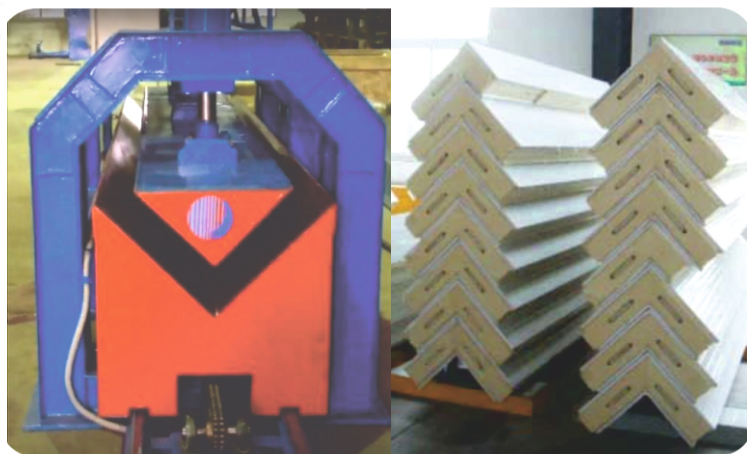
CNC Bending Machine



Hydraulic Bending Machine



PUF Injection Machine



Corner Moulding Machine



PUF Hydraulic Pressed Bed Machine



- Thickness : 60, 80, 100, 125 & 150mm as standard or as per clients requirement
- Door : (A) Flush Type Swing Door with FRP Profile, Imported hardware, Push Type gasket & replace-able heater for easy door operation & long life
Opening Size : 24"x72", 30"x78", 46"x84" (Door Opening xH)
(B) Overlap Type swing door with frame with metal covering by using heavy duty hardware for better strength
Opening Size: 46"x84", 49"x84", 54"x84", 60"x90" (Door Opening WxH)
- Floor : (A) For Kota stone or concrete floor, Puf Slab with both side tar felt coated. (B) For Kota stone or concrete floor, both side metal surface panel in which each side fits with Camlock and prevent temperature loss. (C) Aluminium Chequered Plate with Marine Ply (D) FRP Cl adding on floor.

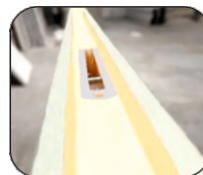
Surface Material: GI Pre-Painted Sheet, S.S. Sheet (Grade 304/316 & Surface finish 2B & Mate, GI Plain Sheet, Plain Galvanized Iron. (Inside & Outside different metal can be places as per your requirement).

Room Size : (A) Length & Width minimum 1.78 mt and Bigger size 0.146 mt in multiples as per requirement
(B) Standard Height for 60mm thickness 2.47mt, 80mm-2.51mt, 100mm-2.55mt, 125mm-2.60mt, 150mm-2.65mt and above as per your requirement.

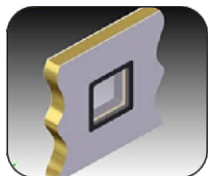
ACCESSORIES



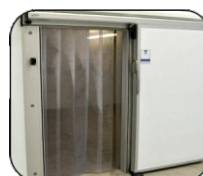
Sliding Door:-
Opening Size
Width: 1000/1200/1500/1800 mm
Height: 2100 to 3000 mm
Thickness: 80 mm
Panel Surface material: Both side GIPP or S.S. as per requirement



Cam Lock Joining
All Four sides Cam Lock joining



View Port:-
12"x12" View port with three layer argon filled, toughened glass which can be visible up to 2°C inside the Cold room.



Strip Curtain:-
Semi transparent PVC Strip curtain for negative temperature application to prevent heat loss and ultimately the power.



Door Accessories



Light IP 65



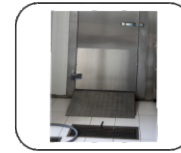
High Low Temperature Alarm



Inside Safety Alarm



Door Thermostat



Ramp with Plate Chequered



Pressure Ventilator

PARAMETERS

- Average PUF Density
- PUF Blowing Agent
- Insulation Material
- Panel Type
- M.O.C. of Camlocks
- Type of Panel joints
- Corner Panel Available
- Ceiling Suspension items with specification.

- Closed cell content
- Vapour Permeability
- Water Absorption
- Fire Grade Polyurethane Panel
- Compressive Strength at 10% Deformation
- Tensile Strength
- Adhesive Strength(Foam to sheet)
- Dimension Stability
- Panel Facing Availability
- Wall & Ceiling Panel facing material
- Floor Panel facing material

DESCRIPTION

40 ± 2 Kg/m³

141B (CFC free)

Polyurethane foam

Discontinuous type with camlock

Cam locks body material HIPS and male latch is made of nylon Glass field with GI sheet reinforcement. Cam-lock panel joints easy assembly and leakage resistant, panel-to-panel joints.

Tongue & Groove joint with Cam lock and all side rubber gaskets

12"x 12"x 162" (maximum Length)

MS bolt with thermal breaking cap,PVC Round plate 6 mm thickness X 90 mm diameter, Aluminium/MS washer plate for load distribution, anchor bolt (MS) hanging bolt with 40 mm washer 2.0 mm thickness sealing to panel MS rod Clamp with an insulated crown.

90 to 95%

5.5mg/PASM

Less than 2%

FR Grade B2 (Fire Resistant Grade)

0.21 N/ sq.mm (For PUF only)

0.58 N/sq.mm (For PUF only)

2.9 kg / sq.mtr

Less than 2%

With Rib or plain on Demand (Ribs are provided for more strength)

Pre Painted Galvanized sheet, Thickness 0.45 mm

Plain Galvanized sheet, Thickness 0.45mm

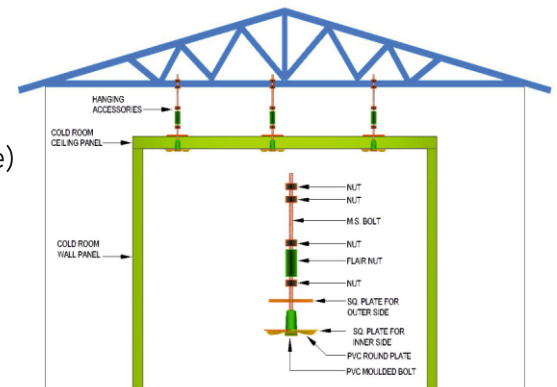
S.S. Sheet, Grade 316, 0.50mm, finish 2B/0.6 mm matte no. 4

S.S. Sheet, Grade 304, 0.50mm, finish 2B/0.6 mm matte no. 4

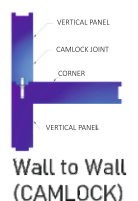
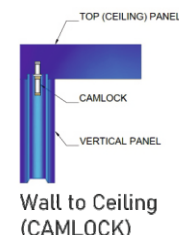
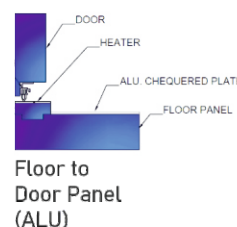
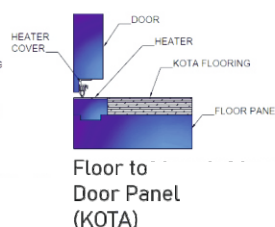
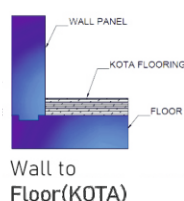
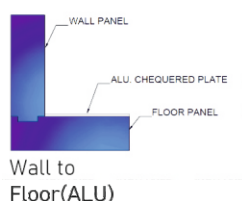
PUF Panel with both side tarfeltsheet.

PUF Panel nwith outside GIPP sheet, inside 9mm thick

Marine ply with 2mm thick AluminiumChequered Plate



JOINING PROCEDURE



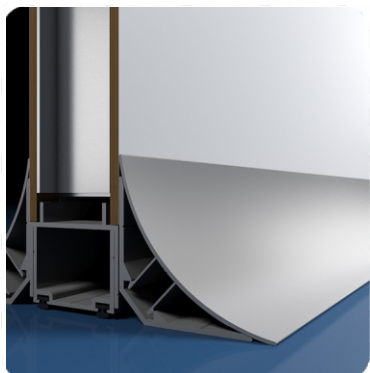
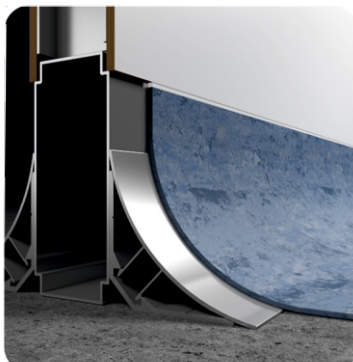
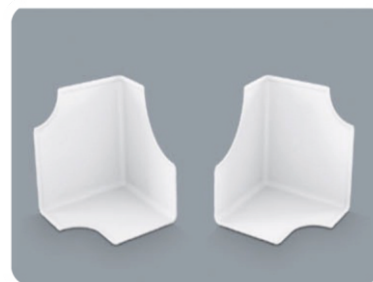
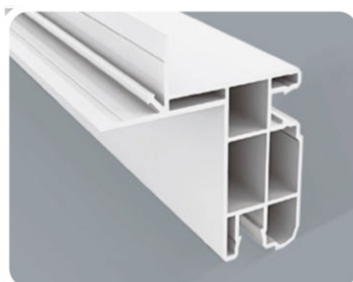
EXECUTED PROJECTS



INSTALLATION PROCEDURE



JOINING PROFILES



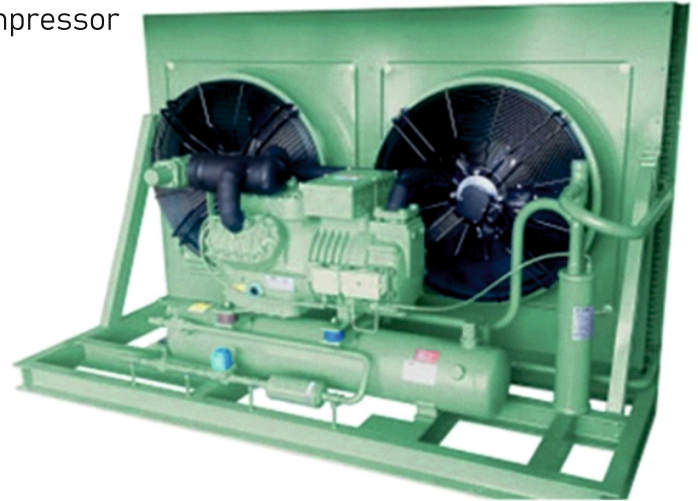
CONDENSING UNIT - CHILLER & FREEZER

BESTEK condensing units are available in capacity ranging from 2 KW to 70 KW (cooling capacity) incorporating the latest compressors, world class components and state of the art manufacturing, design, process and facility. Optimally coordinated components, powder coated aluminum fins and robust model design, facilitates a whole host of application with large capacity range.

Air cooled Condensing unit

Single stage or two stage reciprocating & scroll compressor

- Base frame on anti-vibration mounts
- CNC machined copper piping
- Cooling capacity: 1.5 kW to 100 kW
- Compressor capacity: 2 HP to 50 HP
- Copper tube and aluminum fins
- Brazed under inert Nitrogen atmosphere
- Medium, low and ultra-low temperature application



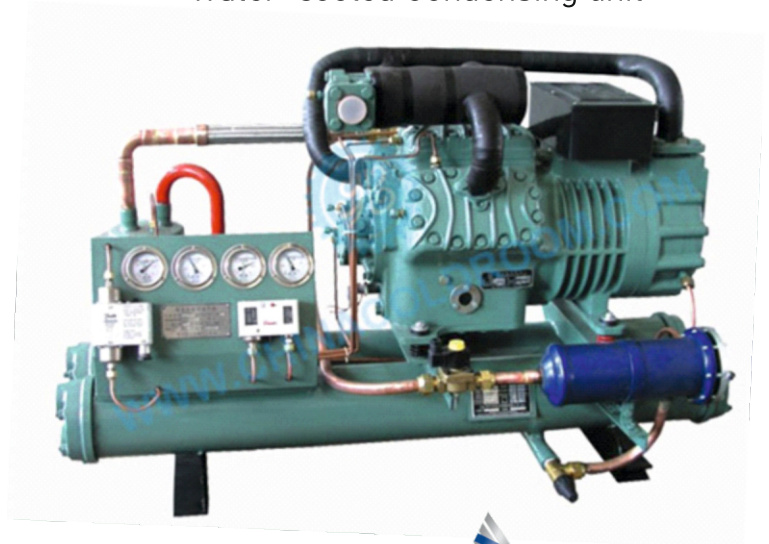
Our standard scope of supply

- Condensor with crankcase heater and ester oil
- Aircooled Compressor
- Suction Accumulator (Henry)
- Oil Separator (Emerson/Henry/Parkar)
- Solenoid Valve (Danfoss)
- Liquid Receiver (Danfoss)
- Filter Drier (Danfoss)
- Sight Glass (Danfoss)
- HP / LP Switch (Danfoss/Emerson/ Parkar)
- Pressure Guages (KIWI)

Our optional scope of supply

- High Ambient Aircooled Condenser
- Canopy
- Hotgas Connection
- Helical Oil Separator
- Suction Accumulator with Heat Exchanger
- Discharge NRV Controls (Henry)
- Discharge Vibration Eleminator (Henry)

Water cooled Condensing unit



WATER CHILLER



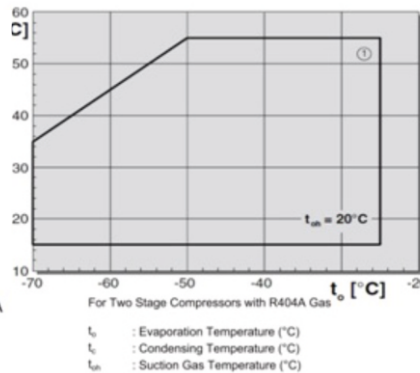
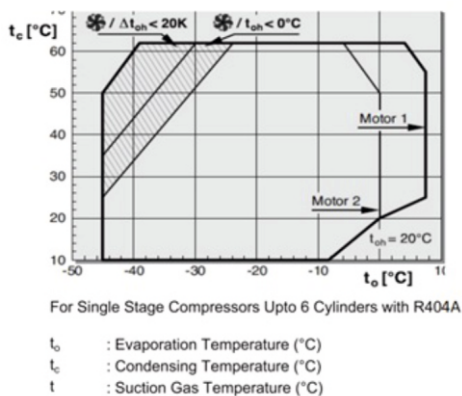
We offer the best range of industrial chillers to our customers. The chillers are designed using qualitative materials and are fitted with the most efficient compressors from Europe. Our chillers are used in many industries like pharmaceutical, food & beverages, chemical and many more which require long-term coolant. Efficient and highly reliable screw compressors from Bitzer (Made in Germany) Totally skid mounted units with single and multiple refrigeration circuits, with the highest full and part load energy efficiencies Factory made and tested DX and Flooded evaporators, made as per highest international standards of manufacturing Electronic expansion valves for increased efficiency and precise temperature control

RACK SYSTEM CONDENSING UNIT

BESTEK multi compressor rack system has been designed for installation in large cold storage or multi chamber cold warehousing facilities. These machines have the advantage of space saving, low maintenance cost and reduces energy consumption as well. Cooling capacity ranging from 15 kW to 450 kW Raised compressor mounts for easy service assess Dedicated HP/LP switch for individual compressor Suction gas header Oil return filter with individual oil return valve Service connection in suction and discharge line Individual electronic oil management system and high-pressure oil return with alarm Machined frame made of welded C steel profile



Application Limits



EVAPORATOR UNIT

A wide range of evaporating units for positive and negative temperature cold rooms. Each evaporating unit consists of a ventilated evaporator with inbuilt regulation valves and thermostatic expansion valve, controlled by a prewired electronic control board and built in galvanised steel shell with polyester coating. Every model has been designed and adjusted in order to optimize the R-404A refrigerant dry expansion, in a wide range of temperature applications.



Slim-type



Double-flow low-profile units



Industrial cubic-type

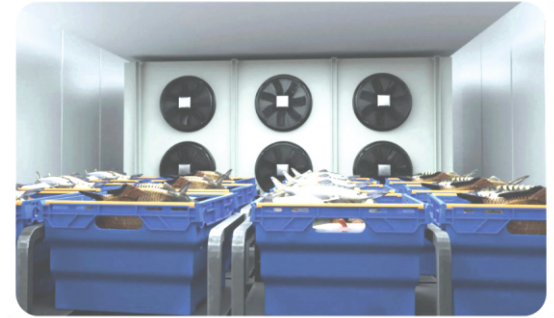
- Stainless steel folding drain tray.
- Defrosting heaters in drain tray and imbricated in coil for negative temperature models
- Air defrosting for positive temperature models (electrical heater defrosting as an option).
- Flexible drain pipe heater (for negative temperature models).
- High flow axial motor-fans.
- Low speed and low noise axial motor fan.
- Refrigeration circuit optimized for R-404A and R-507A refrigerants, R404A and R507C refrigerants
- Ready-to-solder cooling connections, with inbuilt suction trap.
- Electronic controller with relays for fan, solenoid valve coil and electrical heaters, and temperature probes, with 5metres long electrical connection wires and 3 metres long power supply wires.
- High efficiency coils built in copper pipes and aluminium fins, with 5 or 6 mm fin spacing..
- Electronic control.
- 100% factory tested and adjusted units for the highest performance.
- Minimum maintenance needs, with simple access through folding panels.



BLAST CHILLERS & FREEZERS

Floor Mounted

- High static pressure air throw volume with contemporary design acknowledge to achieve temperature in a given pull down time
- Models available with 2, 4, 6 & 8 Fans
- Available for Freon & Ammonia refrigerants
- Temp Ranging from -5 °C (Blast chiller) to -45 °C (Blast Freezer)
- GI powder coated & SS 304 casing for rust free operation
- Air, Electric, Water & Hot gas option
- Cooling capacity ranging from 5 kW to 120 kW
- Fin spacing available from 4 mm to 10 mm
- Proven quality fans: Ziehl Abegg, EBM or Favelle
- Saw tooth & plain blade fan options available
- Bullet expansion on copper tubes in Freon units,
- Hydraulic expansion on SS tubes in ammonia units
- Rippled fin edges for turbulence air flow
- Corrugated fin design for low pressure drop and efficient heat transfer



V-Type Floor Mounted

- High static pressure air throw volume with contemporary design acknowledge to achieve temperature in a given pull down time
- Models available with 1 to 4 Fans
- Available for Freon & Ammonia refrigerants
- Temp Ranging from -5 °C (Blast chiller) to -45 °C (Blast Freezer)
- GI powder coated & SS 304 casing for rust free operation
- Air, Electric, Water & Hot gas option
- Cooling capacity ranging from 20 kW to 130 kW
- Fin spacing available from 4 mm to 10 mm
- Tube Axial Fans Bullet expansion on copper tubes in Freon units
- Hydraulic expansion on SS tubes in ammonia units
- Rippled fin edges for turbulence air flow
- Corrugated fin design for low pressure drop and efficient heat transfer



CONTROL PANEL

Microprocessor based Control Panel with Danfoss/Subzero/carel/siemens digital display



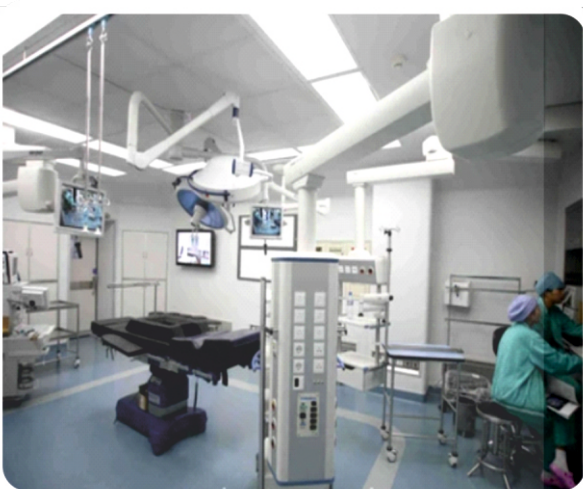
Features

- Phase preventing
- HP/LP
- Over/Under current protection
- High-low temperature alarm
- Quick freezing option
- Door alarm
- All type of trip alarm & Record Date
- Available in Air & Water cooled system.



CLEAN ROOM SANDWICH PANEL

In industries such as pharmaceuticals, food processing and electronics, keeping the products or processes clean and uncontaminated is crucial. Also, personal protection from hazardous substances requires an effective defense against biological and chemical substances.



Specifications :

Customized Panel, Self Closing Door, Programmable Logic interlock, Door Kick Plate, Customized View Port glass system.

Sandwich panel is widely used for dust free clean room project, such as electronic workshop, hospital, clinic, pharmaceutical factory, food factory, beverage factory, lab and other purification field.

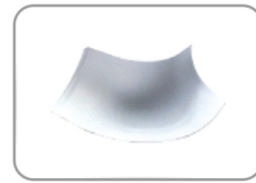
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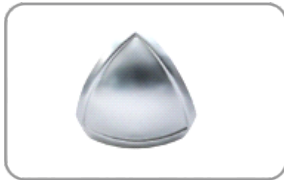
Ceiling Aluminium



H-Shape Aluminium



Aluminium External Corner



Aluminium Internal Corner



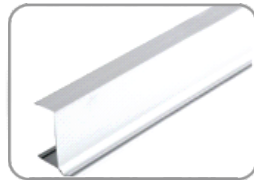
Aluminium Rivet



Connection Aluminium



Door Closure

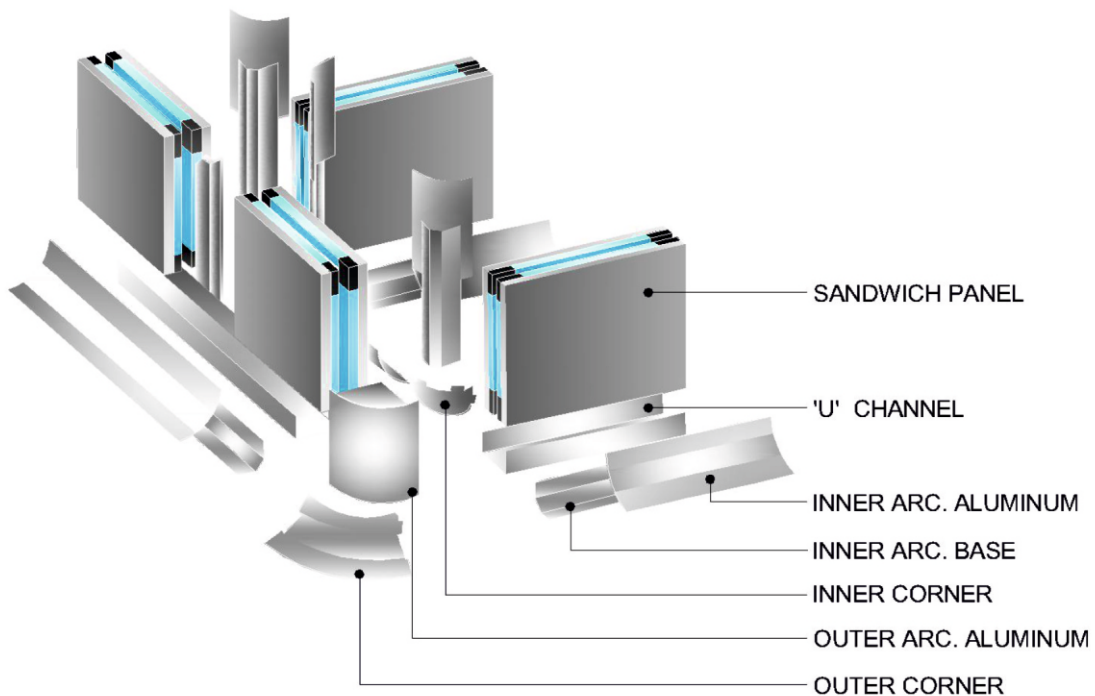


Door Accessory



Curved Line for Window

INSTALLATION PROCEDURE



PRE ENGINEERED & PRE FABRICATED SHELTER ROOMS, OFFICES,



FEATURES

DESCRIPTION

Steel Structure
Outside Wall Board
Inside Wall Board
Roof Board
Steel Door
PVC Sliding Window
Decorative Joint Parts

STANDARD SPECIFICATION

Powder Spraying
50mm Panel, Color steel sheet:0.50mm, density:40 kg/m³
50mm Panel, Color steel sheet:0.50mm, density :40 kg/m³
50mm Panel, Color steel sheet:0.50mm, density :40 kg/m³
Approx. Size 970 x 1970 mm or customize
Approx. Size 1735 x 932 mm or customize
Color Steel Sheet

ACCESSORIES

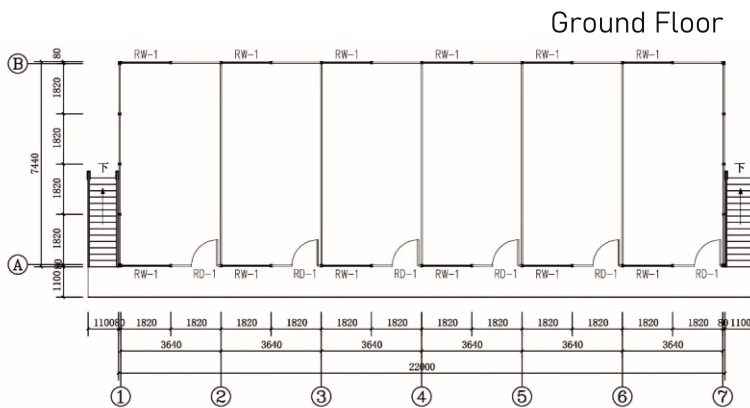
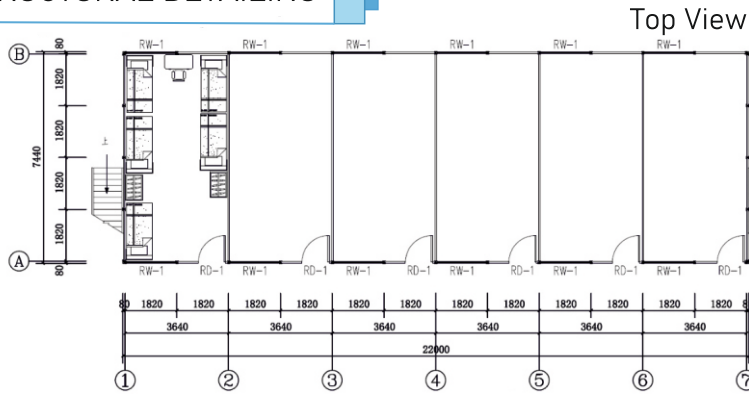
DESCRIPTION

Electricity
Ceiling
Floor

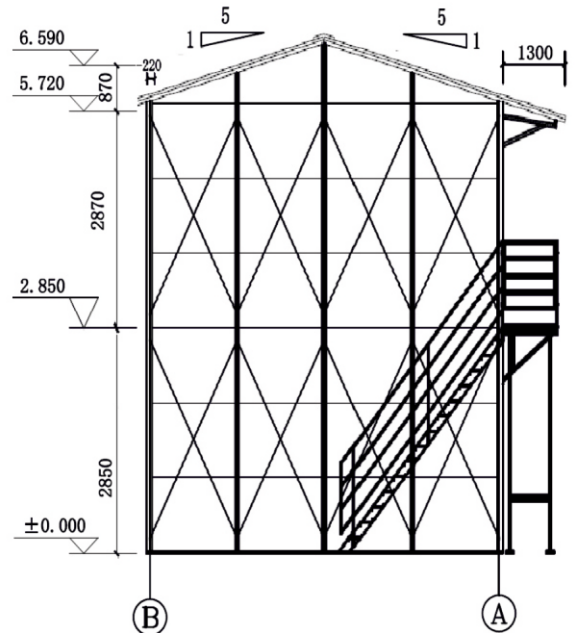
STANDARD SPECIFICATION

For Room lighting 220V,50 Hz
Insulated Panel
Ceramic Tiles, PVC Plastic Flooring

STRUCTURAL DETAILING

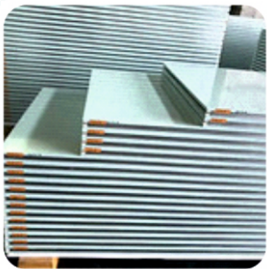


First Floor



Side View

SANDWICH PANEL - PACKING & LOADING

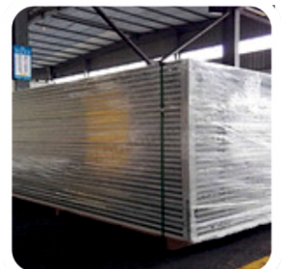


Sandwich panel label system

Each piece of sandwich panel will have a label. Different area or floors of the project can use different colours' label to separate the insulated panels.

Sandwich panel packed in a pallet

Sandwich panel can be packed in a wooden pallet covered by water-proof film. A detailed packing list of each sandwich panel with size and quantity is present in each package.



Sandwich panel container loading

The sandwich panel can be loaded into container in bulk, it will have the foam to protect the insulated panels from scratch when loading the container.

Sandwich panel shipped in pallet

The sandwich panel can be packed in a pallet then put the whole pallet into shipping container directly, which will be easy for your unloading.





OUR VALUED CUSTOMER



BESTEKLOZA INDIA

Pre Engineered & Pre Fabricated Buildings,
Cold Rooms, Clean Rooms, Shelters, PUF Slabs

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