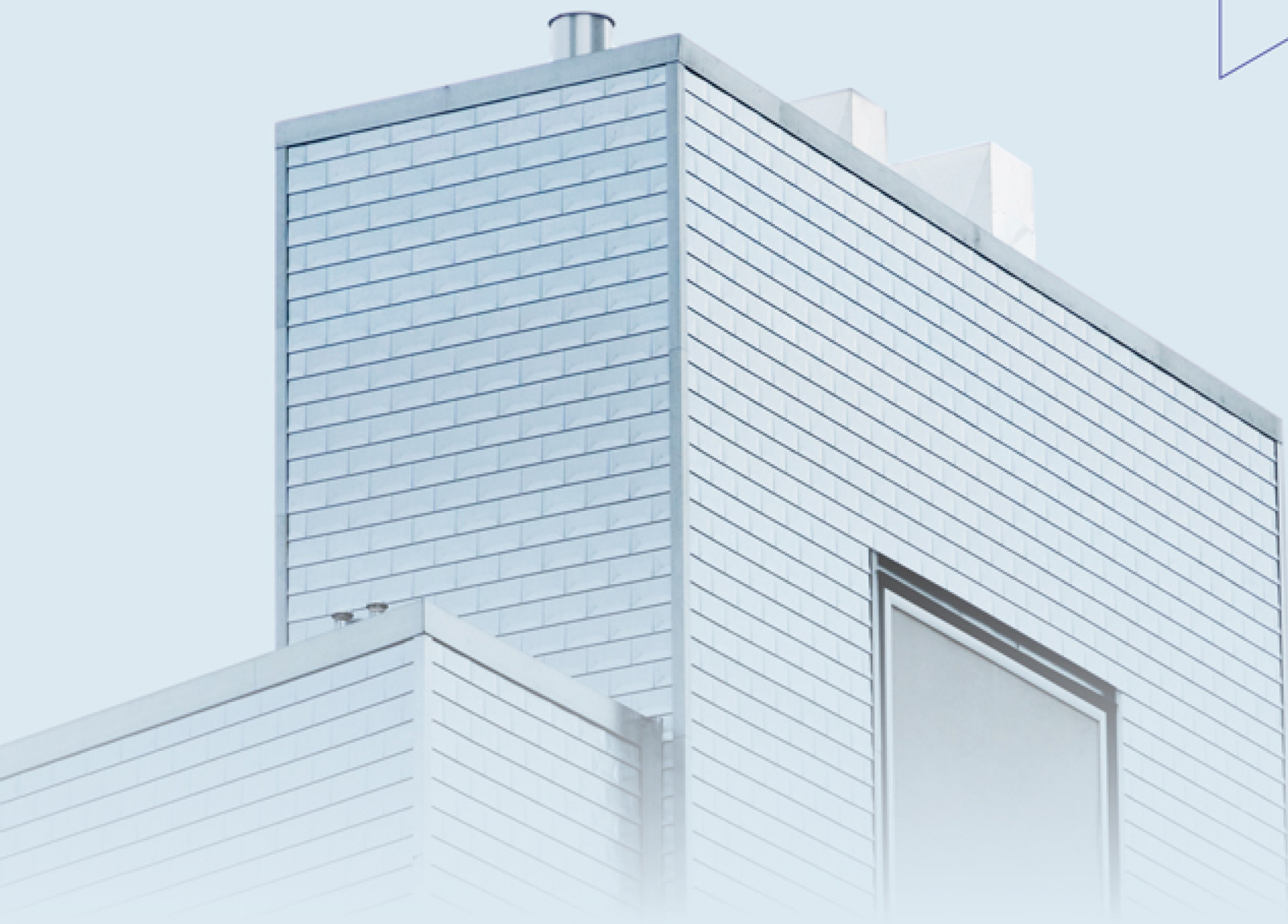




COMPANY PROFILE

MODULAR PANELINDO GLOBAL

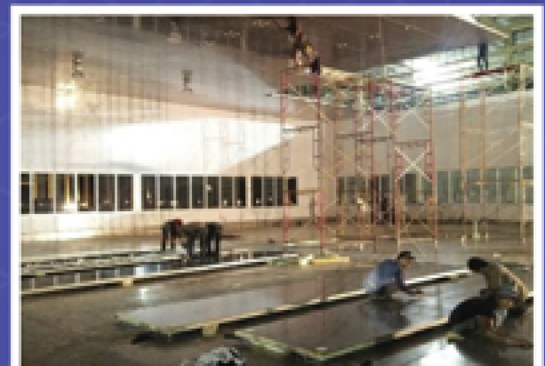
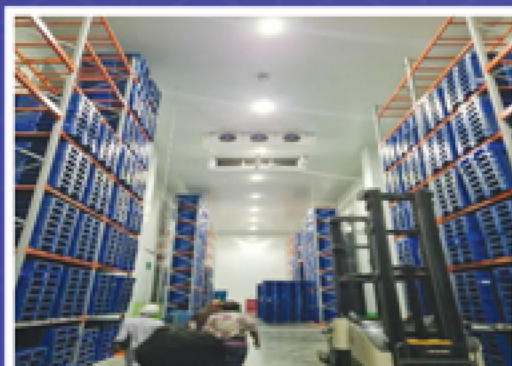
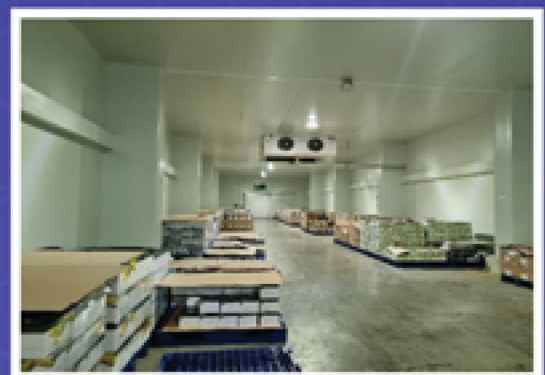
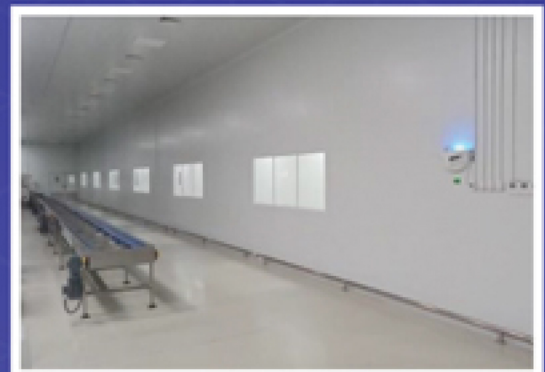
Manufacturer Of Structural Insulated Panels



ABOUT US

PT. Modular Panelindo Global was established 2000 to respond a rapid economic and industrial growth in indonesia during third decade, with manufacturing facilities located in Tangerang, Banten.

We have expertise in designing, configuring and installing of Building Panels for : Polyurethane Rigid (PUR), Expanded Polystyrene (EPS) & Polyurethane Spray (PU Spray)



VISION

Will be number one insulation panel system house in Indonesia.

MISSION

To become one of the largest and most trusted insulation panel system companies that is able to complete globally by prioritizing quality and the best service to customers with competitive price.

CERTIFICATIONS

• ISO 9001-2015



• ISO 45001:2018



• TKDN PU 2024



• TKDN EPS 2024



OUR PRODUCTS

INSULATED PANEL SYSTEMS

Polyurethane Rigid
(PUR) Panel



Expanded Polystyrene
(EPS) Panel



Applications

PT. Modular Panelindo Global offers not only the best quality PUR & EPS Products but also provides technical solution comply to customers' demand, we always concern with customers' requirement and we provide specific products to each customers for them satisfaction. We supply high quality panels, produced with the modern technology from selected high quality raw material. Our panels are the answer for your requirements, in many applications as follow:



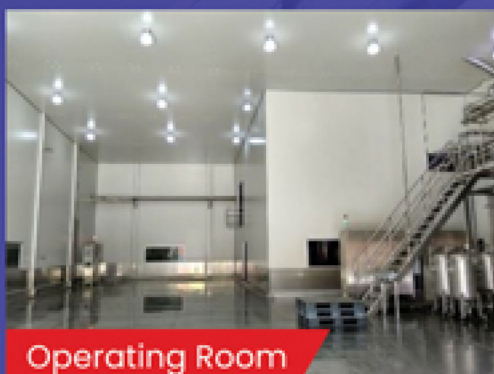
Telecommunication Shelters



Coldstorage



Clean Room



Operating Room



Factory Building



Factory Roof



Panel Office



Housing Mess Panels



Panel Containers

Sandwich Panels PUR & EPS is a modern building/partition material that has many advantages including:

- Eartquake Resistant
- Fire Retardant
- Able to withstand temperature
- Light material, but strong against weather
- Very fast installation
- Customized design
- Easy to install saving cost of installation time
- Easy to clean
- Resistant to termites and rodent
- Couting with Anti-bacterial

OUR PRODUCTS

PUR PANEL

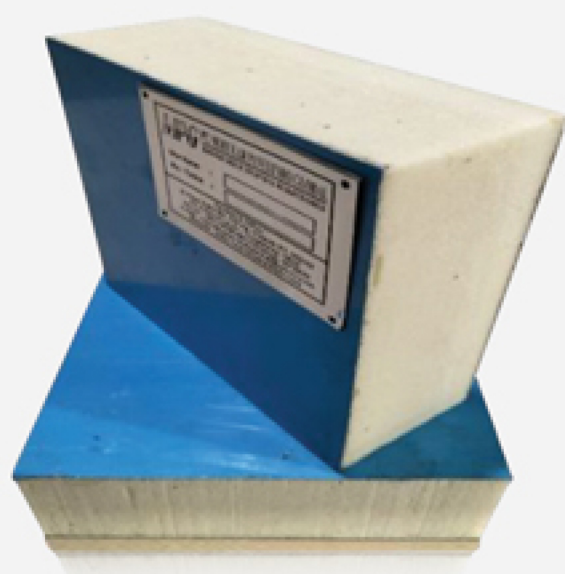
Prefabricated panels, sandwich type. heights range. from 2.000 mm to 10.000 mm. the panel consists of two outer skin with an inner insulated centremade of sel - extinguishing polyurethane resins. high insulation coefficient with standart density 45 kg/m³ + 2 and high pressure injection techniques.

Item	Density	Thermal Conductivity	Compression	Stable Operating
Unit	Kg/m ³	W/m ² K	KPa	°C
Value	45-47	0.020	240	-60 - +80

Polyurethane Rigid (PUR) is a type of fire-retardant panel. In the event of fire, PUR panel simply chars. Properly installed PUR panels can significantly reduce serious risks of property damage and loss of business due to fire.

PUR panel is a rigid polyurethane foam made, as all rigid polyurethanes, by mixing two chemical streams (isocyanate and polyol) with appropriate catalysts and a blowing agent.

Panels are supplied with an adhered plastic film to protect the metal skins during transport and construction.



- Core : PUR (Polyurethane Rigid)
- Surfaces : Zinalume prepainted steel, 0.45 - 0.6 mm, Colorbond and laminated protective film.
- Type Skin : Anti Bacterial, Food Grade, Xterior Roof and Wall (XRW)
- Thickness : 50, 75, 100, 125, 150, 200 mm
- Length : Standardized panels is in width of 1.200 mm, in length of 2.000 mm until to 10.000 mm
- Joint System : Camlock male-female and Slip Joint



EPS (Expanded Polystyrene) Sandwich Panels, an innovative construction material, have gained popularity in various industries due to their versatility and various advantages.

EPS (Expanded Polystyrene) Panel is a building material that has recently been used, has a basic insulation material in the form of expanded polystyrene (styrofoam) that uses high density foam of 18 until to 20 kg/m³.

Consisting of an Expanded Polystyrene (EPS) core sandwiched between two outer layers by a galvanized / galvalume plate with a thickness varying from 0.45 - 0.6 mm, pressed using a machine and the surface is coated with high strength glue.

Fire-Retardant EPS Panel is a self-extinguishing, non-combustible material.

Item	Density	Thermal Conductivity	Compressive Strenght	Stable Operating	
Unit	Kg/m ³	W/m ² K	KPa	Temp °C	Humidity RH
Value	18	0.033	37,29 ~ 103,04	21,4	57,4 %
Value	20	0.035	43,30 ~ 117,90	23,3	60,0 %



- Core : EPS (Expanded Polystyrene)
- Surfaces : Zincalume prepainted steel, 0.45 - 0.6 mm, Colorbond and laminated protective film.
- Type Skin : Anti Bacterial, Food Grade, Xterior Roof and Wall (XRW)
- Thickness : 50, 75, 100, 125, 150, 200 mm
- Length : Standardized panels is in width of 1160 mm, in length of 2000mm until to 9000 mm
- Joint System : Slip joint male and female



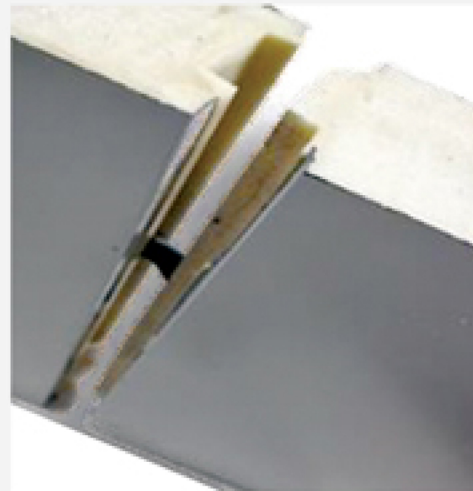
PRODUCT FEATURES

The Appearance of the camlock male and female model edge panel are designed and structured in layers to ensure a perfect and securely sealed joint between the panels. This technique will prevent condensation on the joint whether is caused by inside air leakage. Securely sealed joint between the panels.

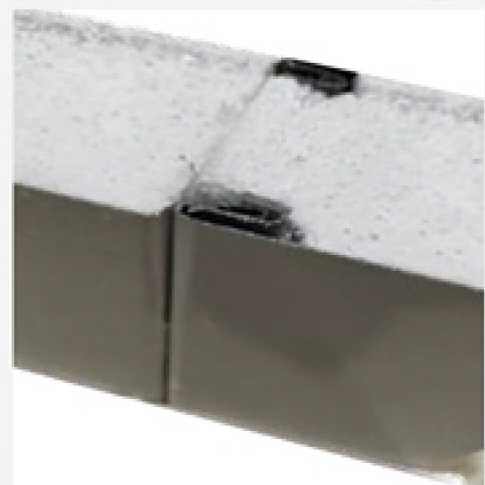
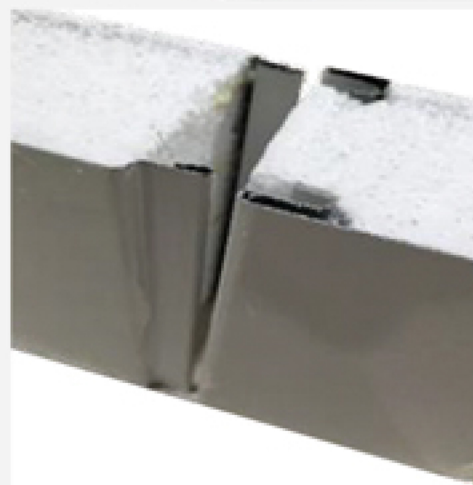
JOINT SYSTEM



Camlock System Male + Female

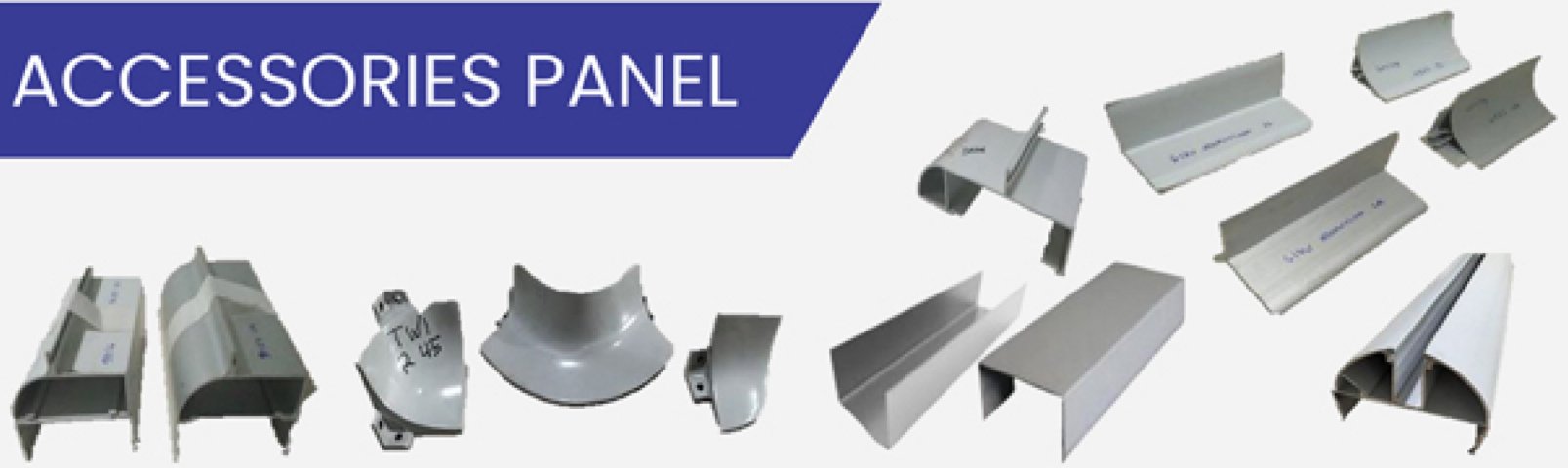


Slip Jointing Male + Female



All joints will be designed and fabricated to ensure integrity of insulation and vapor seal. Slip Joint is used for Expanded Polystyrene (EPS) and Polyurethane (PUR), Shortened panel installation time and decrease the usage of support structure.

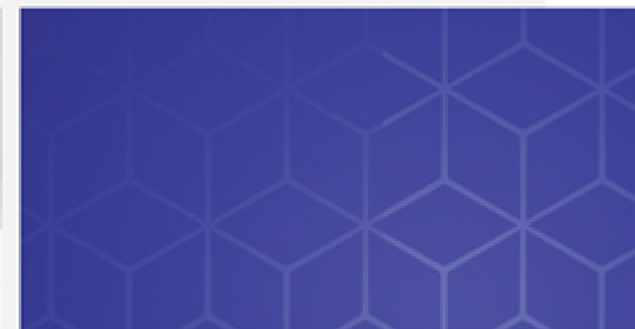
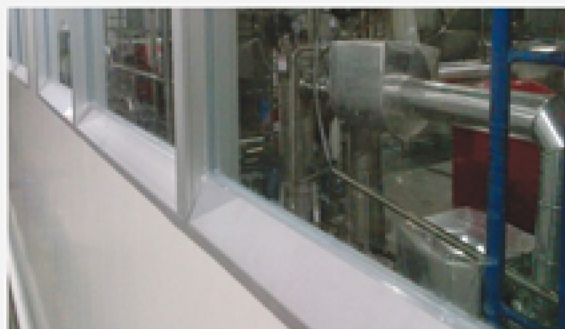
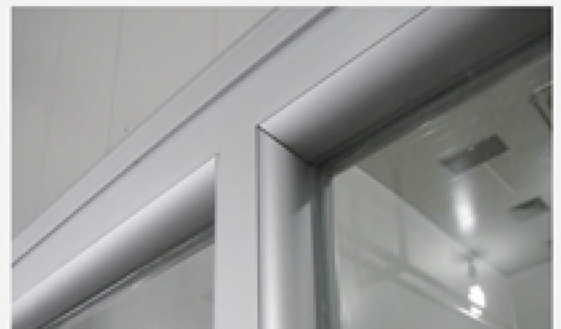
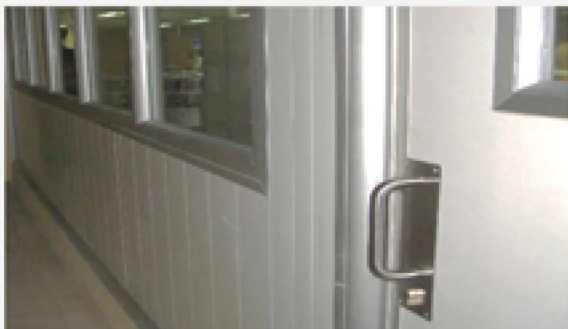
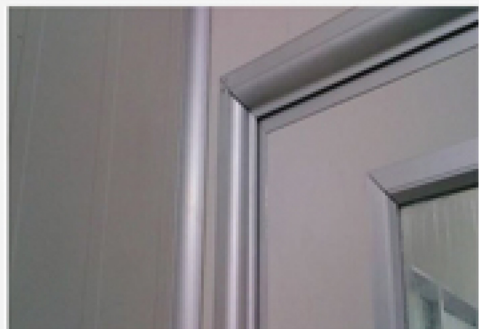
ACCESSORIES PANEL



Aluminium Extrusion

The high grade aluminum extrusions used in Modular Panelindo Global Insulated Panel Systems are specially designed for a wide range of applications, such as clean room, cold storage and modular building. The use of high grade aluminum provides a stronger, durable extrusion.

For clean room applications, the design of the extrusion is suitable to fulfill the requirement of Good Manufacturing Practice (GMP/CPOB - Cara Pembuatan Obat yang Baik) as required by the National Agency of Drug and Food Control (Badan Pengawas Obat dan Makanan RI - BPOM).



DOOR & WINDOWS

PT. Modular Panelindo Global hinged door is integrated into our standard wall panel. Our standart door size is 1000 x 2000 mm and customized until high 5000 mm.

Sliding door and swing doors are also available as required by different application. Doors use heavy duty hardware which has been field tested and improve upon. Different models are available depending on application.

Door are available in some models :

1. Swing or Double Door up to 2 ~ 5 meter
2. Sliding Door up to 2 ~ 5 meter
3. Folding Gate Panels, Emergency Door, Container Door



DOOR & WINDOWS

We offer specially designed windows suitable for modular panels systems with powder coated aluminium extrusions fixed with high quality laminated glass or acrylic to suit your projects and requirements. Choice for extrusions used windows and door viewing in clean rooms are rounded or 45° shaped. To prevent fungus growth and condensation, inside a triple glass there is dry air, while in a double glass windows, silica or polyurethane gel sealant is used.



ACCESSORIES HARDWARE SLIDING DOOR & SWING DOOR COLDSTORAGE



PU SPRAY

MPG Insulation procedures meet the highest standards, protecting the building from extreme temperature fluctuations, and reducing the load on cooling and heating systems, increasing the efficiency of energy use. Using Polyurethane Foam, the best choice to protect buildings from hot Indonesian weather, with lower thermal conductivity compared to conventional alternatives.

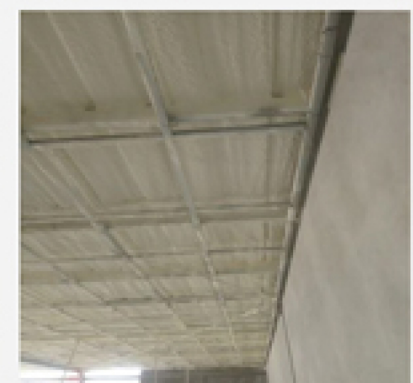
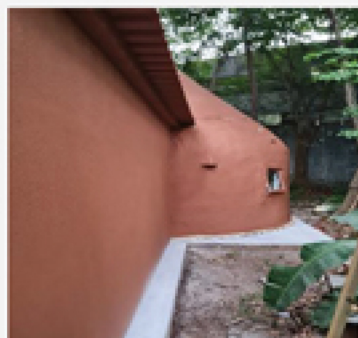


Modular Panelindo Global offers 2 types of PU Foam Methods :

1. Polyurethane Foam Spray

As an efficient thermal insulation method, Polyurethane Foam Spray is a solution that is applied by spray method, usually on the roof and walls of buildings. The main advantage of this method is the very short drying time, only about 6 seconds.

Therefore, the implementation of Polyurethane Foam Spray can be done quickly, according to your project needs. This material forms a tight layer without gaps and sticks together well, providing optimal thermal protection for your building.



2. Polyurethane Foam Inject

As a method of thermal insulation by injection application, Polyurethane Foam Inject is generally used to protect specific areas, especially in the food and oil industries, such as for tank and pipe protection. The drying time for this method is

longer, around 30-45 seconds, giving the Polyurethane Foam enough time to form a structure that suits your needs. The advantage of this method lies in its ability to reach difficult-to-access areas and provide an effective layer of thermal insulation in areas that require special protection.



PANEL INSTALLATION

All internal and external joint shall be sealed with an appropriate selected sealant to form an effective vapor seal. The sealant shall be accordance with the specification. Entire walls can be put up quickly, reducing dry-in time. SIPs can be supplied as ready to install building components when they arrive at the jobsite, eliminating the time needed to perform individual jobsite operations of framing, insulating and sheathing stick-framed walls. Window openings may be precut in the panels, and depending on the size, a separate header may not need to be installed. Electrical chases are typically provided in the core of panels, so there is no need to drill through studs for wiring.



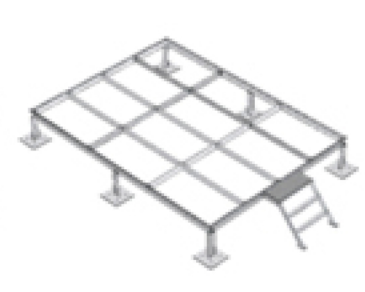
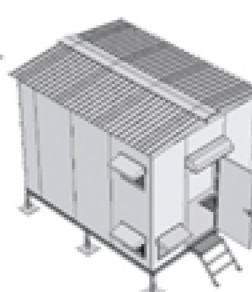
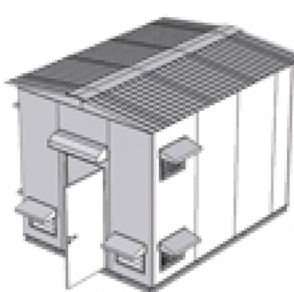
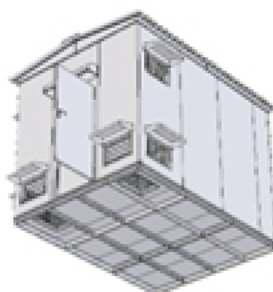
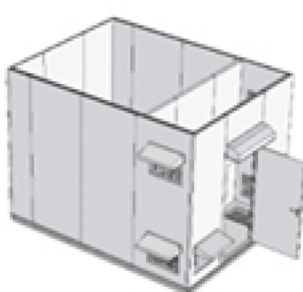
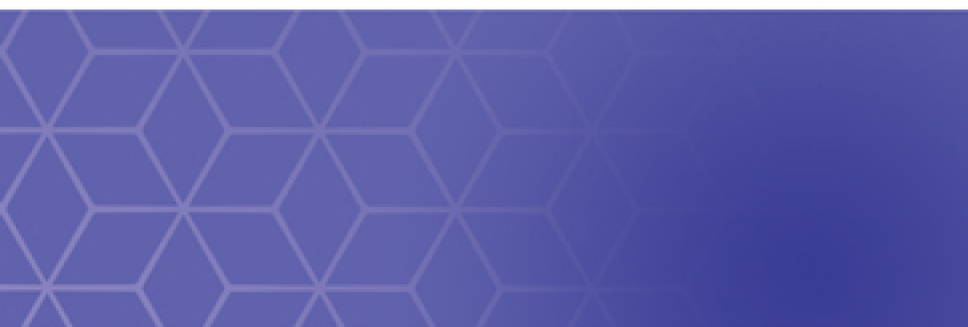
TELECOMMUNICATION SHELTERS

The basic design concept for SIPs is elegant in its simplicity, and offers several advantages for constructing walls and roofs. Bonding the foam core to the stiff outer skins creates a web and flange structural. SIPs not only replace conventional framing, but will withstand high wind, seismic forces, and keep transmitter equipment be safe.

There is general agreement that SIPs provide better overall air tightness and practical thermal performance than conventionally framed walls. Panel systems offer a dense, uniform and continuous air barrier with few thermal bridges, and no opportunity for internal convection.

Door & Accessories such as :

- Add Roof frame Customized omega profile bended galvanized plate
- Lockset & Handle
- Door & Fan Canopy pre-painted galvanized sheet
- Vinyl Tile



COLDSTORAGE

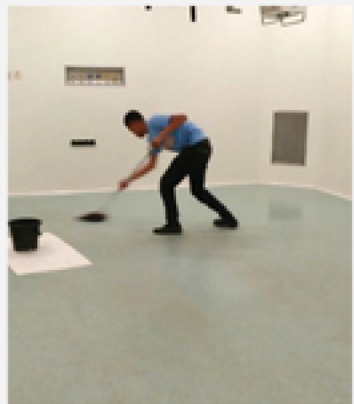
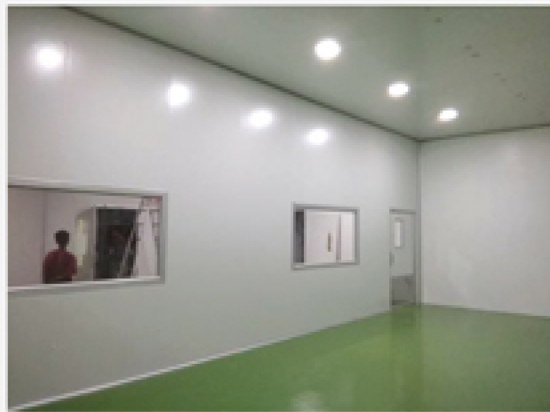
Structural insulated panels (SIPs) are made of polyurethane, covered zincalume plate (colorbond) or aluminium plate, stainless steel plate, could decrease the heat transfer effect generated by the temperature difference and help to reach the most efficiency for freezing and cold system. Since the scientific, simple design and practical installation. The insulation system is a new system with low installation cost.



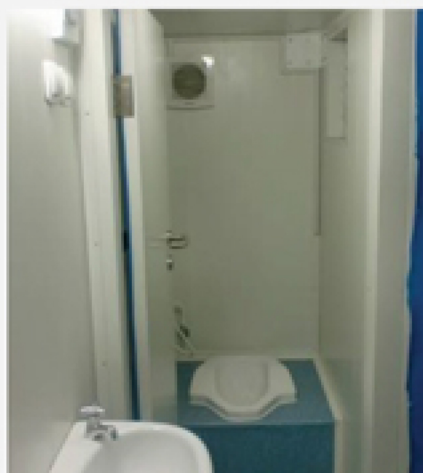
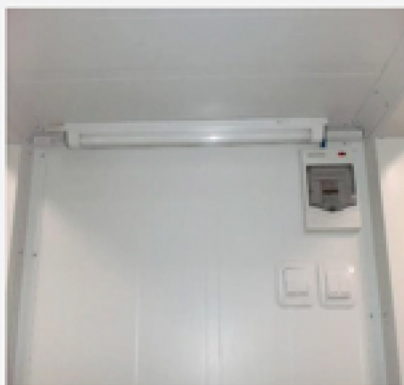
CLEAN ROOM

Clean room is an engineered space that maintains a very low concentration of airborne particulates. It is well-isolated, well-controlled from contamination, and actively cleansed. Such rooms are commonly needed for scientific research and in industrial production for all nanoscale processes, such as semiconductor device manufacturing. A cleanroom is designed to keep everything from dust to airborne organisms or vaporised particles away from it, and so from whatever material is being handled inside it.

A cleanroom can also prevent the escape of materials. This is often the primary aim in hazardous biology, nuclear work, pharmaceuticals, and virology.



MOBILE CUSTOM



PANEL HOUSING MESS & OFFICE





PT. MODULAR PANELINDO GLOBAL
Manufacturer Of Structural Insulated Panels

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