

# DYD PANEL

## IDEAL APPLICATION OF DYD-PUR (POLYURETHANE) INSULATED PANEL

- ▶ COLD STORAGE
- ▶ WALK-IN FREEZER / CHILLER
- ▶ BLAST FREEZER / CHILLER
- ▶ CLEAN ROOM & AIR CONDITIONING ROOM
- ▶ TELECOMMUNICATION CELL SITE CABIN
- ▶ REFRIGERATION TRUCKS / VAN
- ▶ IQF FREEZERS

### DYD - P.U. Panel Technical Specification

Core	Polyurethane (P.U.) Foam
Density	40 + 2 to 3 kg/cu.M
Blowing Agent	HCFC 141b, Cyclo-Pentane (starting 2015)
Skin:	- Polyester Resin Coated G.L. (Galvalume) & G.I. (Galvanized Iron) - PVDF (Polyvinylidene Fluoride) - Plastisol (PVC)
Plain or Corrugated type	- ABS sheets with 1.5 mm. & 2.0 mm. thickness - Stainless steel 304 Aluminum, - Cement boards are available by requirements
Fire Class	Class B, Self-Extinguish
Thermal Conductivity	0.018 k Cal / m h °C
Effective Width	900 mm W and 1200 mm W
Length	Small Bed = 900/1200 mm W x 3,500 mm L Medium Bed = 1200 mm W x 6,800 mm L Large Bed = 1200 mm W x 11,700 mm L
End Connection	Tongue and groove/plain

### PANEL SYSTEM STRUCTURE



Tongue & groove connection  
Fastener type with camlock

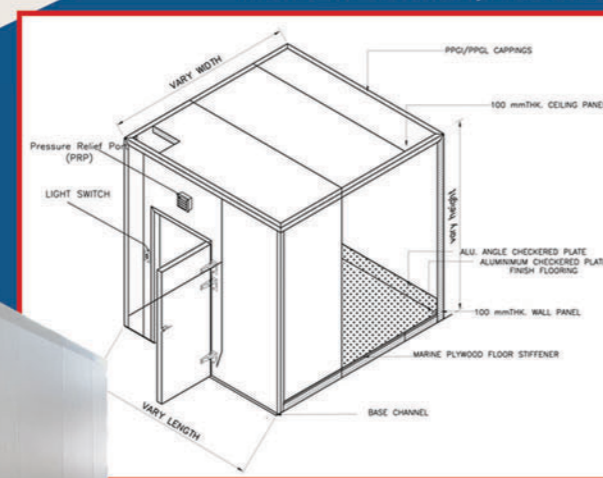
Best heat insulation material to date

Technical Advantages & technical specifications to be used

- Rigid & lightweight
- Environmental Friendly
- Water, moisture & sound proof
- Easy & simple construction



### Walk-in Chiller/Freezer



# DYD DOORS

## DYD SWING DOOR

### ▶ Application

Good for small-scale cold room Walk-in chiller and freezer IQF Freezer Doors

### ▶ Insulation-Polyurethane Foam

### ▶ Swing Door Mechanism

- Swing Door leaf framed by PVC Z type sashes
- Swing Door Jamb framed by PVC C type sashes
- Sanprene E-type side gasket, Sweep type bottom gasket with gasket holder to seal gap in between door leaf and door jamb
- Using heavy duty chrome plated or stainless steel door latch and hinges

### ▶ Design for Sealing

Sanprene - Type door gasket to seal gap of door opening

### ▶ Heater

Defrost heater at the contract parts of door frame

### ▶ Heavy Duty Overlap Door

Single / Double available



Swing Type	Manual, Single / Double swing
Door Thickness (mm)	50, 75, 100, 125, 150mm. Thick panel, polyurethane
Temperature Room	(+) 15 °C - up to (-) 50 °C
Surface skin	0.5 - 0.6mm T PPGI or PPGL Stainless steel 304
Door Jamb	Extruded PVC Door Jamb Sashes
Gasket	Sanprene e-type gaskets and sweep type bottom gasket with gasket holder for extreme temperature application
Lock	Overlap latch chrome plated or stainless steel
Door Heater	9 / 16 ohm for 1 sides of door jamb
Overlap	35 mm. overlapping on opening, sweep overlap on bottom
Door Accessories	Latch, Hinge, Handle, safety release button, other fixing components

## DYD SLIDING DOOR

Sliding Type	Manual/Automatic, Single/Double sliding
Door Thickness (mm)	50, 75, 100, 125, 150 mm Thick panel, polyurethane
Temperature of room	(+) 15 °C - up to (-) 50 °C
Surface skin	0.5-0.6 mm T PPGI or PPGL/0.6mm T Stainless steel 304
Door Jamb	Extruded PVC door Jamb
Gasket	Sanprene gaskets for extreme temperature application
Lock	Gunplate safe lock
Door Heater	9/16 ohm for 4 sides door leaf, electronic temp. controller
Rail	extruded Aluminum J shape rails with heavy duty rollers
Overlap	60 mm overlapping on opening
Door Accessories	Aluminum gasket/heater holders, plastic handles, emergency escape, rail brackets, bottom guide roller, Rail cover, buffer device, temperature controller, Chains (auto), pull/push switch (auto), Micom compact controller (Auto), other fixing components



### ▶ Application

Good for Medium / Large Scale Cold Room, Food Processing Industry / Supermarket

### ▶ Insulation-Polyurethane Foam

### ▶ Sliding Mechanism

Using Heavy Duty, Non-Corrosive J- Aluminum rail Track to minimize wear and Tear of nylon roller for Smoother slide. Designed with Raise up and Push in 10 mm from the door opening for extra seal of Gasket

### ▶ Design for Sealing

Sanprene - type door gasket to seal gap of door opening

### ▶ Heater

Defrost heater at the contract parts of door frame

### ▶ Automatic/Manual

Single & Double Sliding door

# DYD IQF FREEZERS

## INDIVIDUAL QUICK FREEZING (IQF) SYSTEM

TUNNEL FREEZER, SPIRAL FREEZER, BATCH TYPE QUICK FREEZER

### IQF - QUICK FREEZING SYSTEM PROCESS TO IMPROVE THE PRODUCTS QUALITY

- ▶ To prevent microorganism, enzymes and chemical reactions during freezing, defrosting
- ▶ Less Ice crystallization effect to minimize products inner structure membrane breakage
- ▶ Less dripping water while defrosting
- ▶ Maintaining as much as possible unique flavour, taste, shape and weight as like original products
- ▶ Providing high quality level of premium products



DYD - 'Spiral Freezer'

## IQF FREEZER APPLICATION



DYD - 'Tunnel Freezer'



DYD - 'Batch Quick Freezer'

### Chilled & Frozen Food Products and wide range of Raw Food Materials and Processed Products:

- ▶ Aquatic Products - crab, squids, shrimp, tuna mackerels, various fisheries etc.
- ▶ Various Cooked and Fried Products - chicken nuggets hamburger patties, fried fishes, meat ball, imitate crabs, fried shrimp and any ready to cook frozen products.
- ▶ Meat Products - Pork, Beef, Chicken and other meats.
- ▶ Dumplings and Noodles - Dumplings, Siomai, Siopao, Spring rolls, Wonton, Spaghetti, Noodles, etc.
- ▶ Breading Powders, Croquettes, Pizza Pies, Fish Jellies, Pudding, Desserts, etc
- ▶ Fruit Products - Banana, Pineapple, Mango and other fruits.

