meTecno
PANNELLI (THAILAND)

We conserve Energy

Factory insulated EPS panels engineered to meet your building needs

ISO 9001 : 2015
C E R T I F I E D

Metecno Pannelli Thailand

Metecno Pannelli (Thailand) Co.,Ltd. is a 100% foreign invested company established in the year 2000 with a manufacturing facility located at Samrong, Samutprakarn province. It is part of "METECNO" an international group established in the year 1962 and is one of the largest manufacturers of insulated panels in with world with manufacturing facilities in 12 countries located in Italy, Germany, Spain, Bulgaria, Romania, Chile, Columbia, Mexico, Thailand, Sri Lanka, India and Vietnam. The group has supplied more than 250 million square meters of panels from the inception.

Metecno Pannelli Thailand Co.,Ltd. is one of the manufacturers of sandwich panels with EPS as core and steel surfaces and these panels are widely used in the building industries as Roof & External wall panels for factories, warehouses, commercial building as well as Clean room and Cold room panels. It had supplied and installed over 1.0 million square meters of panels to more than 500 project in the field of Semiconductors, Electronics, Precision part, Automobile paint booth, Biotech, Pharmaceuticals, Food & beverages, Seafood processing & Logistic warehouse, Walk in Chiller & Freezer room, etc to both domestic and foreign invested project.

The company had been exporting panels to other countries Vietnam, Myanmar, Laos, Cambodia, India, Bangladesh, Mauritius, Ghana, etc.
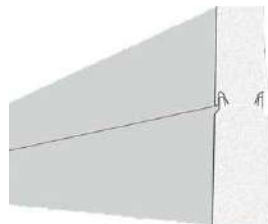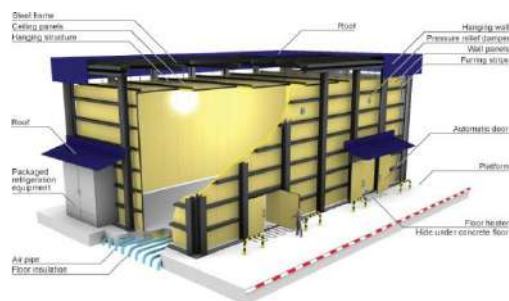
METWALL – Z-Lock

Description

METWALL แผ่นฉนวนโฟมโพลีสไตรีน (polystyrene) แบบแซนวิชสำหรับห้องเย็น ถูกออกแบบให้เหมาะสมตาม ข้อกำหนดของอุตสาหกรรมห้องเย็น ด้วยระบบการการต่อแผ่นฉนวนแบบ Z Lock และกาวผนึกแผ่นฉนวนโพลียูรีเทน สูตรพิเศษ ทำให้แผ่นฉนวน Metwall มีความแข็งแรงทนทาน, รูปลักษณ์สวยงาม และและง่ายต่อการติดตั้ง หรือขยาย ปรับเปลี่ยนขนาดห้อง

METWALL is a range of self-supporting EPS insulated panels which has been designed to provide a complete solution to the requirements of the cold storage industry due to the Z-lock joint system and our special Polyurethane adhesive made the benefit of lightweight, aesthetically appealing, and ease of installation.

Advantages

- Self-supporting insulated panel
- Light weight
- Excellent air tightness and free of thermal bridges which results in considerable energy savings
- Surface finished facings providing resistance to weather and aggressive environments
- Capacity for rapid erection without lifting equipment, easier installation in hostile weather conditions
- Easy repair and replacement in case of damage
- Total Flexibility and modification.
- Offer complete solution of cold room i.e. door with safety device, pressure relief damper, floor heater, lighting set, floor insulation, PVC curtain.

Professional
Engineering Team

- Selection of insulation material
- Design
- Manufacture of Panels & Doors
- Installation
- After sales service

METWALL EPS FR Insulated Panels

Our Metwall EPS FR - Z lock insulated wall and ceiling panels are light weight, fire retardant panels. Our panel lengths are custom made to order ensuring fast delivery and competitive cost to keep your project cost within your budget.

EPS Panel Applications

METWALL EPS - FR insulated panels are preferred choice for the Clean rooms & Cold room storage industries.

Typical uses are as Cold room wall & ceiling panels in processing rooms in Food & Beverages, seafood production, Chiller & Freezer rooms, etc. and in Clean rooms for Pharmaceuticals, Biotech, Veterinary, Electronics, Automobile paint shops and also as cost-effective partitions and permanent or temporary interior walls.

Manufacture

As we manufacture both the panels and doors for most projects, we have unmatched ability to be flexible and responsive to your individual needs.

Installation

We can take care of your complex construction projects. Our highly experienced team has worked on projects of all shapes and sizes, all over Thailand We also supply with all accessories such as extrusions, fixings and sealants for a complete project solution.

metecno

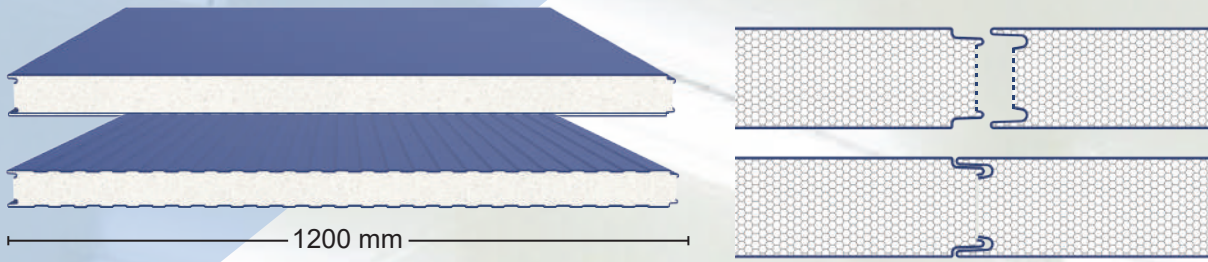| Save Energy	Heat Insulation	Fire Retardant	HACCP Standard	GMP Standard	Anti Bacterial	1 Year Warranty

SAVE ENERGY
REDUCE OPERATION COST

MOODY INTERNATIONAL CERTIFICATION ISO 9001 — UKAS

ISO 9001 : 2015
CERTIFIED

METWALL EPS FR

|← 1200 mm →|

Technical Data of METWALL

Standard Panel Specification	
Brand name	METWALL - EPS Insulated Panel
Joint system	Z lock - Slip joint
Application	Wall and Celiling Panel
Core Material	EPS Normal "F" grade – (fire retardant)
Standard density	1.00 lb / ft^3 1.25 lb / ft^3
Available thickness	50, 75, 100, 125, 150 mm.
Surface Material	Standard : 0.40 mm Pre-painted Galvanized Steel – Aspene white color in Flat or Rib Surface
Standard dimensions	Width of panel : 1,200 mm Maximum length : 10,000 mm
Compliance Standard	ISO 9001-2015

Allowable Wall and Ceiling Spans

METWALL PANEL : 0.40 mm thick preprinted galvanized steel bonded to EPS foam core

Panel Thickness (mm)	U value (Watt / m^2·°C)	Weight (Kg/m^2)	Allowable Spans (m)		Ceiling Span
			Internal, Non-load bearing Walls		Non-Trafficable, maintenance access (100 Kg/m^2)
			Non-Freezer Applications	Freezer Applications	
50	0.75	7.33	4.50	N/A	2.45
75	0.50	7.75	5.50	N/A	3.00
100	0.38	8.15	6.40	N/A	4.60
125	0.30	8.55	7.20	N/A	5.00
150	0.25	8.95	7.90	7.80	5.60

Recommended Thickness

Operating Temperature (°C)	Recommended Thickness	
	(mm)	(in.)
22 to 16	50	2
15 to 10	75	3
9 to 0	100	4
-1 to -8	125	5
-9 to -15	150	6

For consultations, come and visit us

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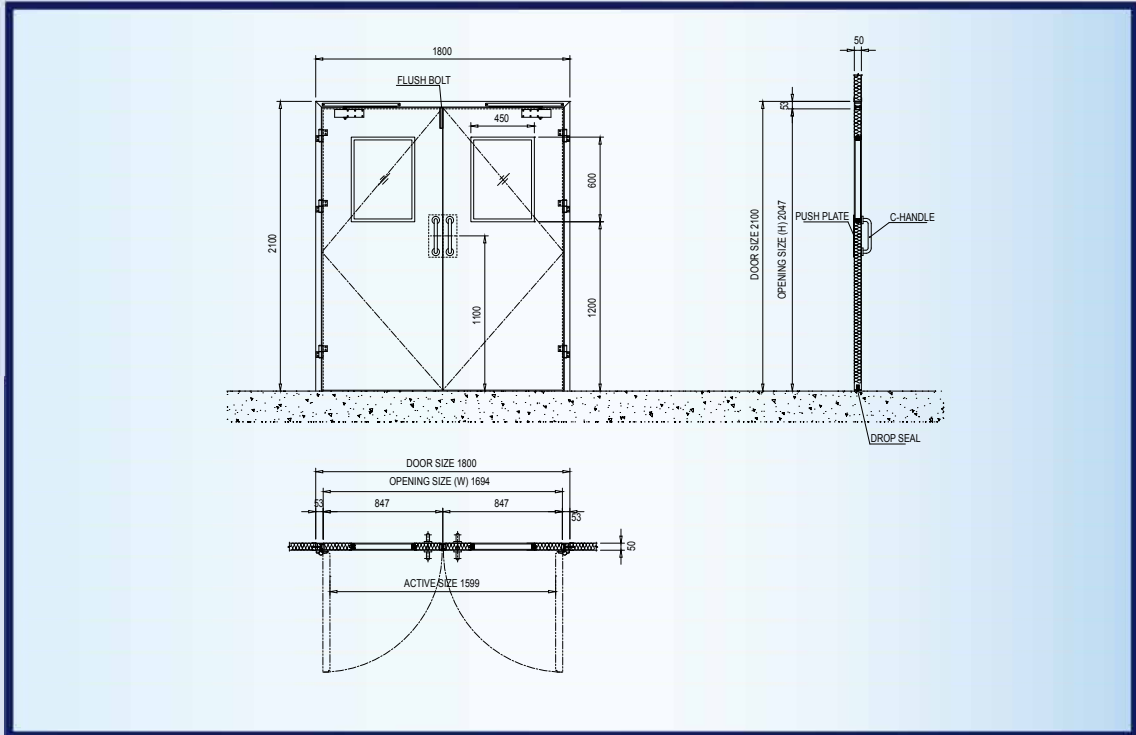Samrong Klang, Prapradang, Samutprakarn 10130 Thailand

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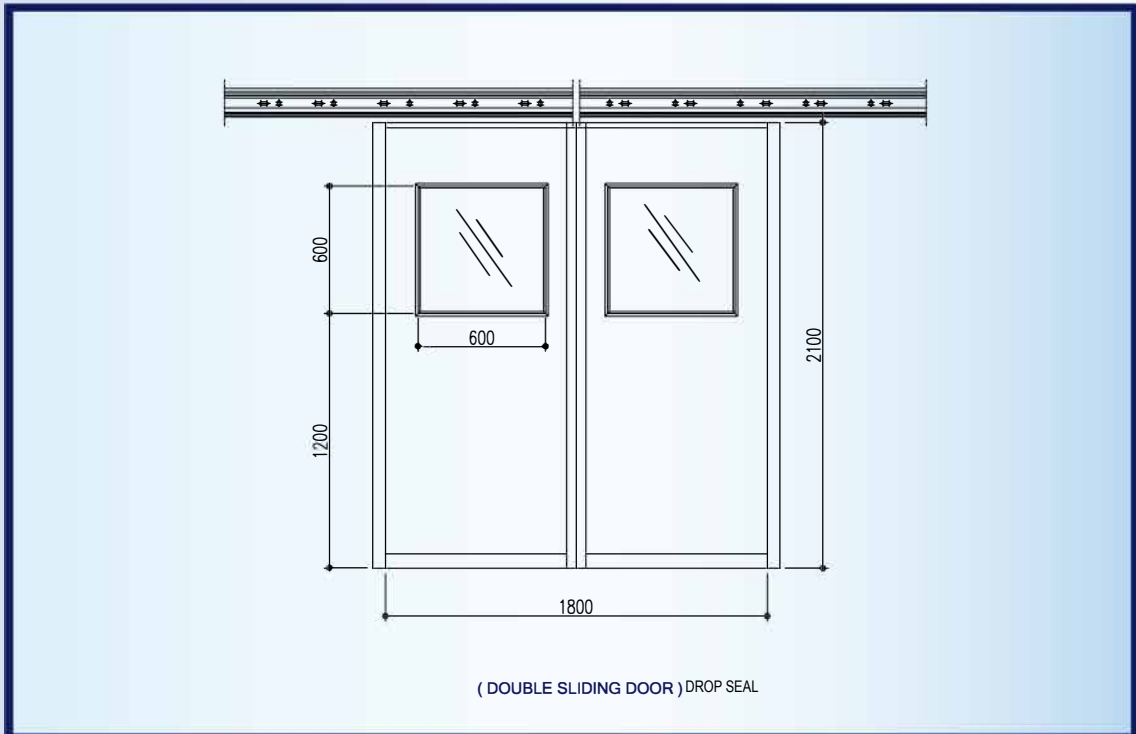E-mail : manoj@metecno.co.th
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Standard specification of Doors แบบขยายและรูปตัด มาตราฐานของประตู

9.1) STANDARD SIZE OF SWING DOOR + Semi Air Tight 50mm   ขนาดมาตราฐานของ ประตูบานสวิง เมทเทคโน

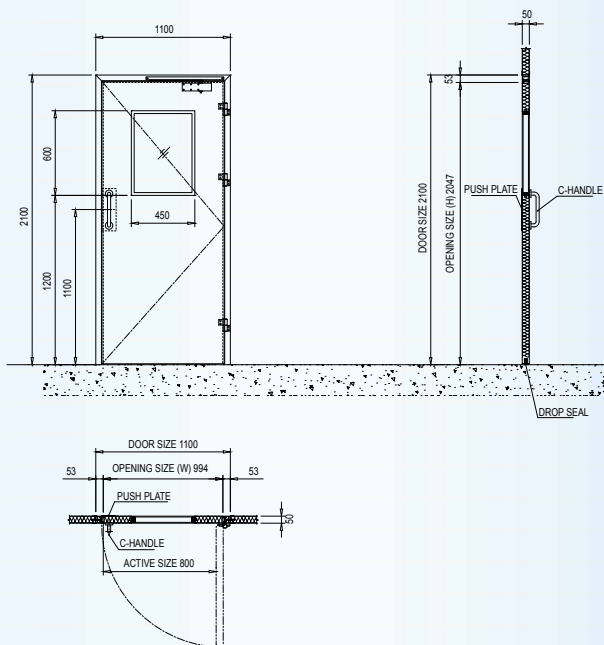| DOOR TYPE	DOUBLE SWING DOOR	
CLEAR OPENING SIZE (mm.)	1800 x 2100	1694 x 2047
DOOR WINDOW SIZE (mm.)	450 x 600 or 600 x 600	

(DOUBLE SLIDING DOOR) DROP SEAL

9.2) STANDARD SIZE OF SLIDING DOOR + Semi Air Tight 50mm   ขนาดมาตราฐานของ ประตูบานเลื่อน เมทเทคโน

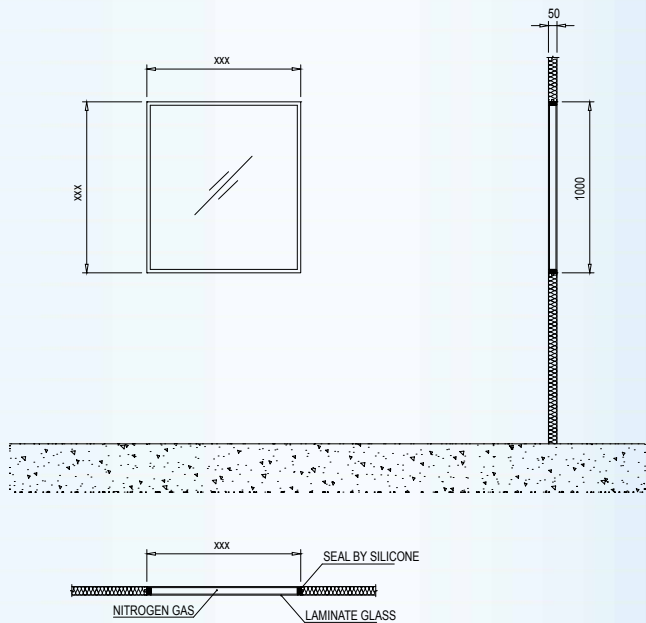| DOOR TYPE	SINGLE SLIDING DOOR		DOUBLE SLIDING DOOR		AUTOMATIC SLIDING DOOR	
CLEAR OPENING SIZE (mm.)	1100 x 2100	1600 x 2100	2000 x 2100	1700 x 2100	1000 x 2100	2000 x 2100
DOOR WINDOW SIZE (mm.)	450 x 600 OR 600 x 600		450 x 600 OR 600 x 600		450 x 600 OR 600 x 600	

Standard specification of Flat type Doors แบบขยายและรูปตัด ของประตูชนิดเรียบผนัง

10.1) STANDARD SIZE OF SWING DOOR (Flat type) + Semi Air Tight 50mm ขนาดมาตราฐานของ ประตูบานสวิง ชนิดเรียบผนัง เมทเทคโน

DOOR TYPE	SINGLE SWING DOOR		3 SIDE SPON GASKET
CLEAR OPENING SIZE (mm.)	1100 x 2100	994 x 2047	DROP SEAL
DOOR WINDOW SIZE (mm.)	450 x 600 or 600 x 600		LAMINATE DOUBLE GLASS
			(FILLED WITH NITROGEN GAS)

10.2) STANDARD SIZE OF FIXED WINDOW & DOUBLE GLASS WINDOW (Flat type)   ขนาดมาตราฐานของ หน้าต่างบานตาย และ หน้าต่างสองชั้น เมทเทคโน

WINDOW TYPE	FLAT TYPE WINDOW			
WINDOW CLASS	SINGLE WINDOW	CONTINUOUS WINDW		LAMINATE DOUBLE GLASS
WINDOW SIZE (mm.)	x x x	x x x	x x x	FILLED WITH NITROGEN GAS
WINDOW SPEC. (mm.)	TEMPERED			SILICONE SEALANT

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