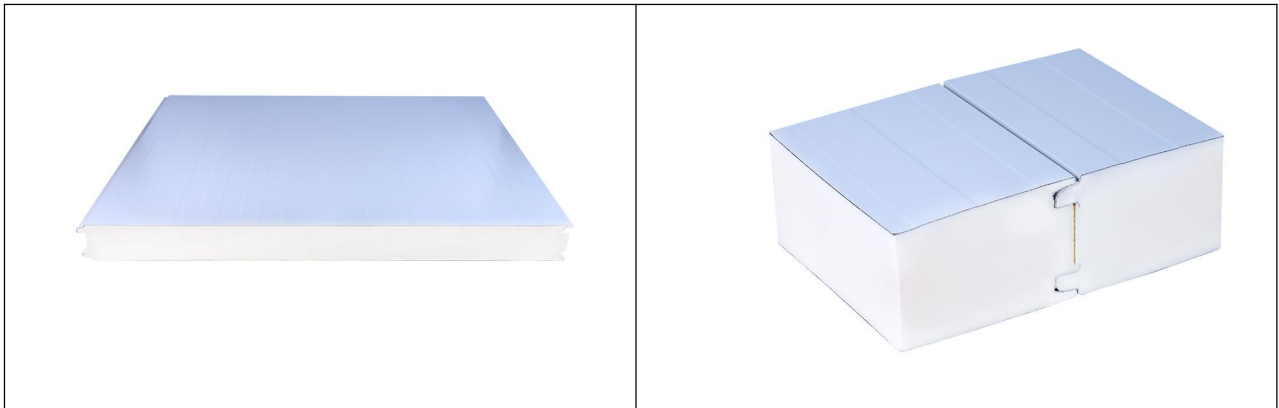


PU Cold Room Sandwich Panel



1. Product Introduction

Polyurethane (PU) cold storage sandwich panels are high-performance insulation panels widely used in refrigeration facilities. These panels consist of a rigid polyurethane foam core sandwiched between two metal or non-metal facings, providing excellent thermal insulation, structural strength, and durability.

2. Advantages

1. Superior Insulation: PU foam has a low thermal conductivity, ensuring energy efficiency and stable temperature control.
2. Lightweight & Strong: The panels offer high strength-to-weight ratio, reducing load on structures.
3. Moisture & Corrosion Resistance: Waterproof and resistant to mold, ideal for humid environments.
4. Fire Retardant: Options with fire-resistant properties enhance safety.
5. Easy Installation: Prefabricated design allows quick assembly, saving time and labor costs.

3. Applications:

PU sandwich panels are used in cold storage warehouses, food processing plants, pharmaceutical storage, and refrigerated transport. They are also suitable for industrial clean rooms and climate-controlled logistics centers.

4.Data Base

PU Cold Room Sandwich Panel	
Surface Steel Thickness	0.4 mm— 0.8mm
Surface Panel Material	PPGI /Stainless steel/Aluminium sheet
Panel Thickness	50mm/75mm/100mm/150mm/200mm
Panel Width	500mm-1200mm
Panel Length	Customized according to customer requirements
Core Material Density	40kg/m ³
Usual Colors	White gray, Silver gray, Ocean blue, Scarlet red, etc.
Thermal Conductivity	≤0.025 (W/m·K)
Installation Method	Horizontal and Vertical
Compressive Strength	2.0 — 2.7 (kg/cm ²)
Recommended Coating	150g/m ² Hot dip galvanizing coating
Rocommended Steel Manufacturers	Baosteel, Ye Chien, Bluescope, Guanzhou, Xinyu, Shenlong and so on

5. Temperature control parameters

Project	Temperature	Panel thickness
Processing room	10°C	50 mm
Fruit, vegetable, dry food	0°C~-5°C	50 mm
Medicine, cake, pastry,chemical material	0°C~-5°C	75 mm
Ice storage room	-5°C~-10°C	75 mm
Fish, meat storage	-18°C~-25°C	150 mm
Deep freezer	-25°C~-35°C	200 mm