

PU Sandwich Wall Panel



1. Product Introduction

Polyurethane exterior wall panels are high-performance building materials made from rigid polyurethane foam, known for their excellent insulation, durability, and lightweight properties. These panels are widely used in modern construction due to their energy efficiency and ease of installation.

2. Advantages

1. Thermal Insulation: Polyurethane foam has a low thermal conductivity, significantly reducing energy costs.
2. Lightweight & Strong: Despite being lightweight, the panels offer high structural strength.
3. Fire Resistance: Many panels are treated with flame-retardant additives for enhanced safety.
4. Waterproof & Moisture-Resistant: The closed-cell structure prevents water absorption, reducing mold risks.
5. Noise Reduction: Provides sound insulation, improving indoor comfort.
6. Eco-Friendly: Some products use recyclable materials, supporting green building standards.

3. Applications:

Commercial and residential exterior walls
Cold storage facilities
Industrial buildings
Prefabricated structures
Renovation projects

4. Data Base

PU Sandwich Wall 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	400mm-1100mm
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
Recommended Steel Manufacturers	Baosteel, Ye Chien, Bluescope, Guanzhou, Xinyu, Shenlong and so on