

PU Sandwich Roof Panel



1. Product Introduction

Pure polyurethane roof panels are high-performance building materials made from rigid polyurethane foam, known for their excellent thermal insulation, lightweight properties, and durability. These panels are widely used in industrial, commercial, and residential roofing systems due to their energy efficiency and structural strength.

2. Advantages

1. Superior Insulation – Low thermal conductivity reduces energy costs.
2. Lightweight – Easy to transport and install, lowering construction time.
3. Waterproof & Corrosion-Resistant – Long service life even in harsh weather.
4. Fire Retardant – Meets safety standards with self-extinguishing properties.
5. Eco-Friendly – Reduces carbon footprint with energy-saving benefits.

3. Applications:

Ideal for factories,
warehouses
cold storage
sports arenas
green buildings

The panels can be customized in thickness and color to meet project requirements.

4.Data Base

PU Sandwich Roof 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	1000mm
Panel Length	Customized according to customer requirements
Core Material Density	35~40kg/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