



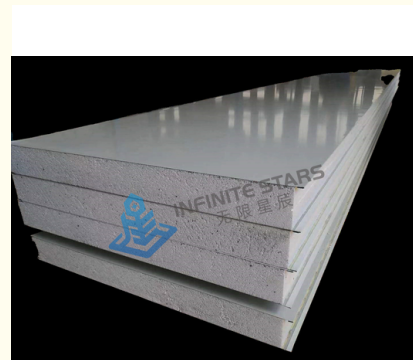
Lightweight Color Steel Sandwich Panel EPS 50mm Energy Saving Waterproof

Our Product Introduction

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Basic Information

- Place of Origin: china
- Brand Name: INFINITE STARS
- Certification: CE/ISO9001/ISO45001/ISO14001
- Model Number: B
- Minimum Order Quantity: 7 Sets
- Payment Terms: L/C, T/T
- Supply Ability: 100000 /day



Product Specification

- Width: 1000mm
- Color: Customized
- Wind Resistance: 120km/h
- Installation: Easy And Fast
- Thickness: 50mm 75mm, 100mm, 150mm
- Core Material: Polyurethane Foam
- Material: Color Steel
- Length: Customized
- Surface Treatment: Galvanized/Coated
- Fire Resistance: Class A
- Waterproof: Yes
- Name: Color Steel Sandwich Panel
- MOQ: 7 PCS
- Highlight: Color Steel Sandwich Panel EPS 50mm, 50mm EPS Sandwich Panel, 50mm EPS Sandwich Panel

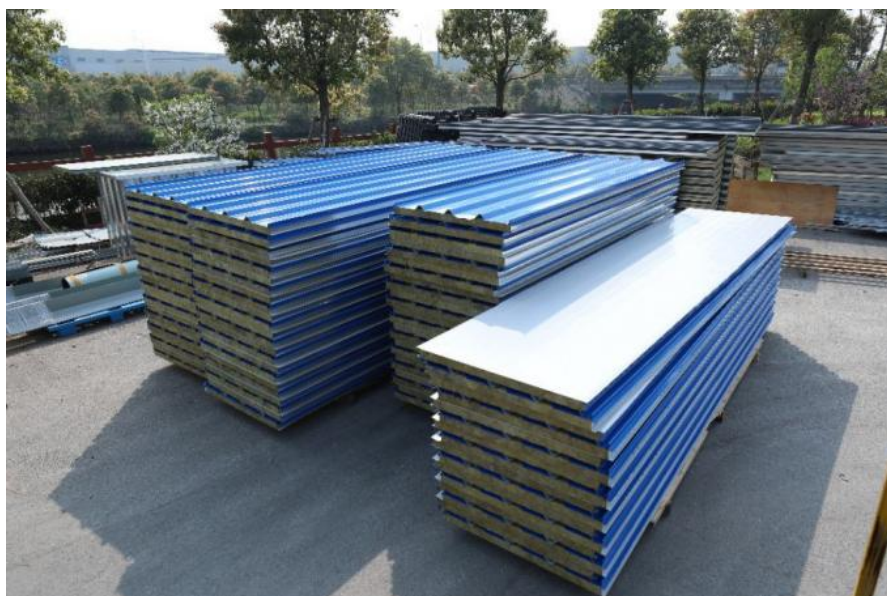


More Images



Product Description

The Lightweight Color Steel Sandwich Panel with a 50mm EPS (Expanded Polystyrene) core offers numerous benefits, chief among them being its excellent energy-saving and waterproofing capabilities. The EPS core provides superior thermal insulation, keeping interiors cool in summer and warm in winter, resulting in significant energy savings. Additionally, the waterproof design ensures moisture does not penetrate the panel, preserving its structural integrity and durability. The lightweight nature of the panel makes it easy to handle and install, reducing labor costs and construction time. The color steel exterior coating is resistant to corrosion and weathering, ensuring long-term performance. The EPS 50mm sandwich panel is also customizable to fit various designs and sizes, making it suitable for a wide range of applications. While the initial investment may be higher, the long-term energy savings and reduced maintenance costs make it a cost-effective solution. In summary, the Lightweight Color Steel Sandwich Panel with a 50mm EPS core offers energy efficiency, waterproofing, durability, easy installation, customization, and cost-effectiveness, making it a preferred choice for various building applications.



Performance Parameter	Description/Range
Density	18-30 kg/m ³ (Standard EPS sheet density requirements)
Elastic Modulus	30-70 MPa
Shear Modulus	10-30 MPa
Compressive Elastic Modulus	10-30 MPa
Compression Set	0.2-0.4
Tensile Strength	≥ 0.15 MPa
Compressive Strength	≥ 0.15 MPa
Tear Strength	≥ 4.0 N/mm
Heating Deformation	≤ 2.0%
Water Absorption	≤ 0.005 g/cm ³
Hardness (Shore A Scale)	40-60
Compression Deflection	≤ 3.0%
Thermal Insulation	Excellent thermal insulation properties with low thermal conductivity
Waterproof and Moisture Resistance	Good waterproof and moisture-resistant properties due to closed-cell structure
Corrosion Resistance	Good chemical stability and corrosion resistance
Environmental Friendliness	Recyclable, compliant with environmental protection requirements

Company introduction

As a wholly-owned subsidiary of Wujiang Saima (established in 2005), Suzhou Stars Integrated Housing Co., Ltd. focuses on foreign trade. As one of the most professional prefabricated house manufacturers in south-east China, we provide customers with all kinds of integrated housing solutions.

Equipped with complete production lines, including sandwich panel production machines and steel structure production line, with 5000 square meter workshop and professional staff, we already built long-term business with domestic giants like CSCEC and CREC. Also, based on our export experience in the past years, we are furthering our steps to global customers with best product and service.

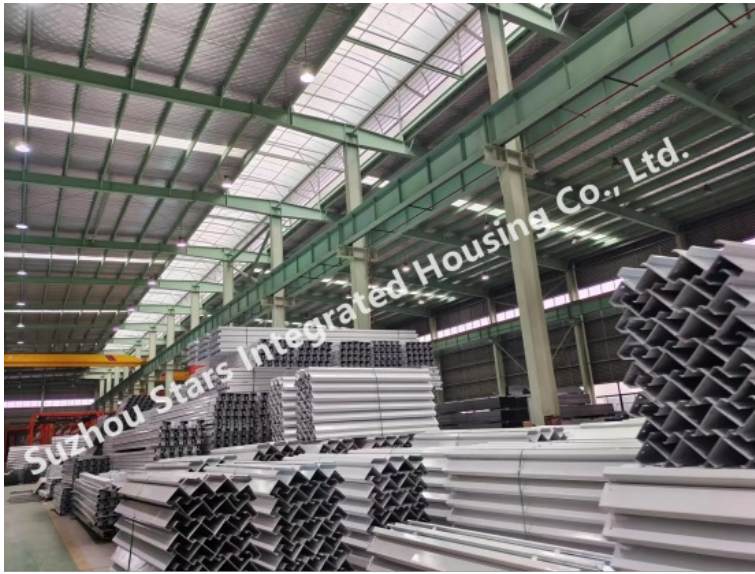
As a supplier to overseas customers all over the world, we are very familiar with the manufacturing standards of various countries, such as European standards, American standards, Australian standards, and so on. We have also participated in the construction of many large-scale projects, such as recent 2022 Qatar World Cup camping construction.

Company photo



Workshop





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