



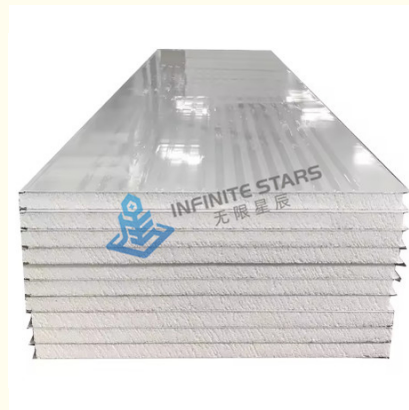
EPS Sandwich Panel 50mm Moisture Proof Corrosion Resistant Soundproof Sandwich Panel

Our Product Introduction

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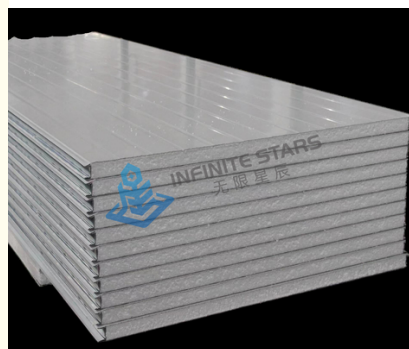
Basic Information

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



Product Specification

- Thickness: Customized
- Lifespan: 20-30 Years
- Width: 1000mm
- Color: RAL Standard
- Density: 10-20 Kg/m3
- Water Absorption: <1%
- Thermal Conductivity: 0.024 W/mK
- Length: Customized
- Wind Resistance: 120 Km/h
- Material: Color Steel
- Surface: Smooth/Embossed
- Core Material: Polystyrene Foam
- Name: Color Steel Sandwich Panel
- MOQ: 7 PCS
- Highlight: EPS Sandwich Panel 50mm, 50mm EPS Panel,



More Images



Product Description

EPS 50 Type Thermal Insulation Sound Insulation Moisture-Proof Corrosion-Resistant Roof Panel And Wall Panel

EPS, standing for Expanded Polystyrene, is a lightweight, porous, and closed-cell thermoplastic material. Here are the advantages and applications of EPS in English:

Advantages:

Excellent Thermal Insulation: EPS has a low thermal conductivity and high thermal resistance, making it an excellent material for thermal insulation in construction applications.

Waterproof and Moisture-resistant: The closed-cell structure of EPS provides good waterproof and moisture-resistant properties, effectively preventing water penetration and protecting buildings from moisture damage.

Lightweight and Easy to Process: EPS has a low density and is lightweight, making it easy to handle and install. It is also easy to cut, bond, and fix, simplifying construction processes.

Environmentally Friendly and Energy-saving: EPS is recyclable, complying with environmental protection requirements. Its excellent thermal insulation properties also help reduce energy consumption and promote energy-saving.

Good Corrosion Resistance and Durability: EPS has good chemical stability and corrosion resistance, maintaining its performance and appearance for a long time.

Applications:

Construction Industry: EPS insulation boards are a major material in the construction insulation field, widely used in exterior wall insulation, roof insulation, ground insulation, and other projects. EPS moldings are also used in architectural decoration, such as window frames, door frames, and eaves lines.

Packaging Industry: EPS material has good cushioning and shock-absorbing properties, widely used in packaging applications like thermal insulation boxes, cold chain boxes, and food packaging boxes.

Model Making: EPS material is easy to process and shape, suitable for making various models and props for exhibitions, store windows, advertising signboards, and more.

Environmental Protection and Energy Conservation: EPS material's thermal insulation properties contribute to energy conservation in the construction industry. Its recyclability also aligns with environmental protection efforts.

In summary, EPS material enjoys widespread popularity due to its superior properties and diverse applications. With the continuous progress of technology and the increasing awareness of environmental protection, the application prospects of EPS material will become even broader.

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.

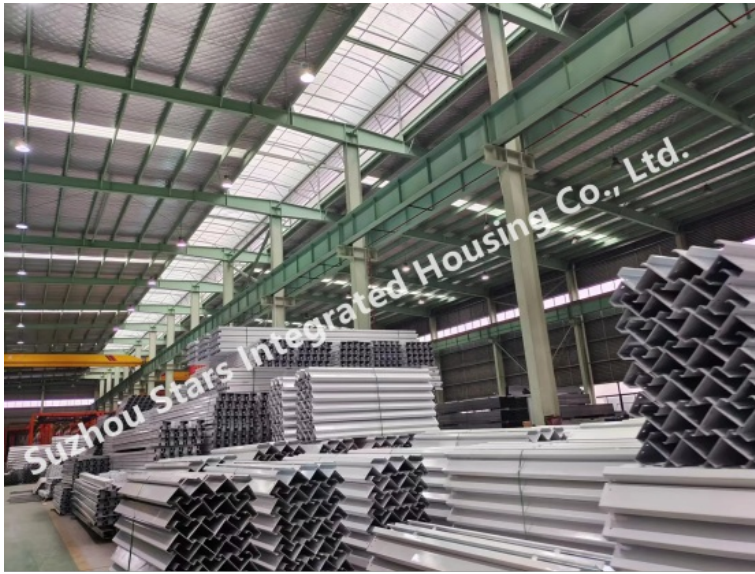
As a supplier to overseas customers all over the world, we are very familiar with the manufacturing standards of various countries, such as European standards, American standards, Australian standards, and so on. We have also participated in the construction of many large-scale projects, such as recent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

Company photo



Workshop





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