



## Polyurethane Cold Storage Board Purification Board Polystyrene Heat Insulation Panels

Our Product Introduction

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### Basic Information

- Place of Origin: china
- Brand Name: INFINTE 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

- Installation Method: Cam Lock
- Width: 1000mm
- Compressive Strength:  $\geq 150\text{kPa}$
- Water Absorption:  $\leq 1\%$
- Surface Material: Color Steel Sheet
- Thickness: 50mm-200mm
- Material: Polyurethane Foam
- Thermal Conductivity: 0.022 W/mK
- Length: Customizable
- Temperature Range: -50°C To 80°C
- Panel Joint: Tongue And Groove
- Application: Cold Storage, Refrigerated Warehouse, Food Processing Plant
- Name: Cold Storage Panel
- MOQ: 7 PCS



### More Images



## Product Description

Introducing our cutting-edge Cold Storage Panels, designed specifically to meet the rigorous demands of temperature-controlled environments. These panels are the ideal solution for creating energy-efficient, long-lasting, and reliable cold storage facilities.

### Material Composition

Our Cold Storage Panels are crafted from premium-grade materials that ensure durability and insulation efficiency. The outer layers are constructed from corrosion-resistant steel sheets, while the core is filled with a high-density polyurethane (PU) or polyisocyanurate (PIR) insulation material. This combination guarantees excellent thermal insulation, structural integrity, and long-term stability.

### Thermal Efficiency

The high-performance insulation material used in our Cold Storage Panels effectively reduces heat transfer, ensuring consistent and accurate temperature control within the storage facility. This not only preserves the quality of perishable goods but also reduces energy consumption, making it a cost-effective solution for long-term operation.

### Durability & Reliability

The robust steel sheets and high-density insulation material provide superior strength and durability. Our Cold Storage Panels are designed to withstand the rigors of continuous operation in harsh environments, ensuring reliable performance and minimal maintenance requirements.

### Customization Options

We offer a wide range of customization options to meet the specific needs of your cold storage facility. From different panel sizes and thicknesses to custom color coatings, we can tailor our Cold Storage Panels to perfectly fit your application.

### Environmental Friendliness

We prioritize sustainability and environmental responsibility in our manufacturing process. The insulation material used in our Cold Storage Panels is recyclable, and we strive to minimize waste and emissions during production. By choosing our Cold Storage Panels, you can contribute to a greener and more sustainable future.

### Ease of Installation

Our Cold Storage Panels feature a modular design that allows for quick and easy installation. The panels are lightweight yet sturdy, making them easy to handle and install with minimal disruption to your existing operations.

In conclusion, our Cold Storage Panels are the ultimate solution for creating energy-efficient, reliable, and long-lasting cold storage facilities. With superior thermal efficiency, durability, and customization options, our panels are the perfect choice for preserving the quality of perishable goods while reducing energy consumption and environmental impact.

| Specification                   | Details                              |
|---------------------------------|--------------------------------------|
| <b>Panel Material</b>           |                                      |
| Core Material                   | High-grade Polyurethane (PU)         |
| Skin Material                   | Steel                                |
| Thickness Range                 | Customizable (e.g., 50mm - 200mm)    |
| Panel Size                      | Standard and Customizable Dimensions |
| <b>Thermal Properties</b>       |                                      |
| Thermal Conductivity            | Low, optimized for cold storage      |
| Temperature Range               | -40°C to +50°C (Customizable)        |
| R-Value (Insulation Resistance) | High, depending on thickness         |
| <b>Structural Properties</b>    |                                      |
|                                 |                                      |

| Specification                          | Details   |
|--|---|
| Compressive Strength                   | Excellent, designed for heavy loads                               |
| Tensile Strength                       | High, ensuring panel durability                                   |
| Flexural Strength                      | Adequate to handle minor deformations                             |
| <b>Environmental Properties</b>        |   |
| Flammability                           | Low, meets fire safety standards                                  |
| Moisture Resistance                    | Excellent, prevents mold and corrosion                            |
| UV Resistance                          | Good, suitable for outdoor applications                           |
| Recyclability                          | Yes, polyurethane insulation is recyclable                        |
| <b>Installation &amp; Handling</b>     |   |
| Weight                                 | Lightweight yet sturdy for easy handling                          |
| Modular Design                         | Yes, for quick and efficient installation                         |
| Connection System                      | Compatible with standard cold storage fasteners                   |
| <b>Certifications &amp; Compliance</b> |   |
| Fire Rating                            | Meets or exceeds local fire safety regulations                    |
| Environmental Standards                | Compliant with relevant environmental certifications (e.g., LEED) |
| Other Standards                        | Meets or exceeds industry standards for cold storage panels       |

#### **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.

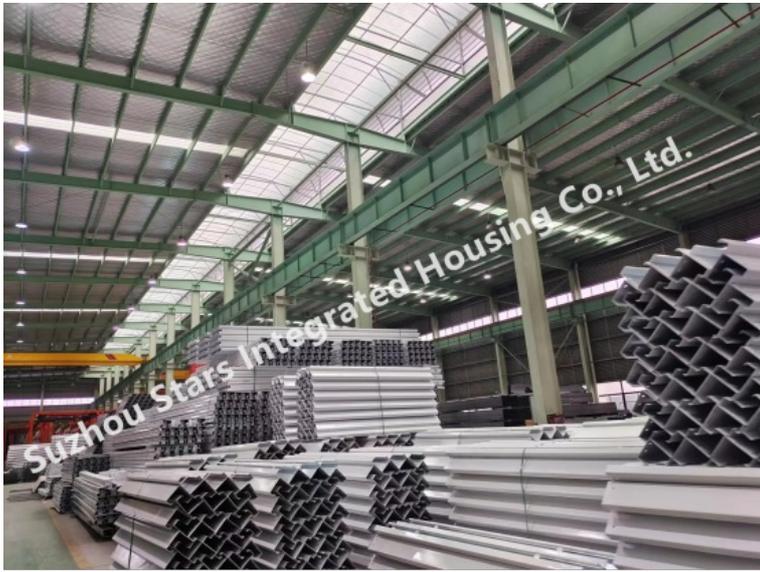
As a supplier to overseas customers all over the world, we are very familiar with the manufacturing standards of various countries, such as European standards, American standards, Australian standards, and so on. We have also participated in the construction of many large-scale projects, such as recent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

#### **Company photo**



**Workshop**





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