

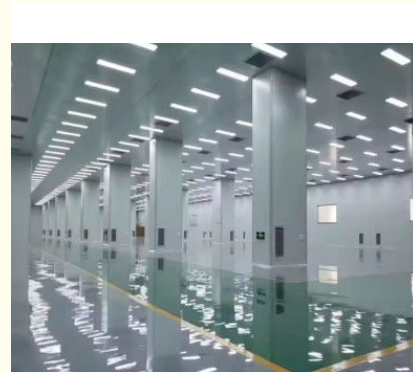


Clean Room Dust Cleaning Panel Dustproof Workshop And Operating Room Special Wall Panel

Our Product Introduction

Basic Information

- Place of Origin: HEBEI, CHINA
- Brand Name: BAODU
- Certification: CE
- Model Number: Clean Room Sandwich Panel
- Minimum Order Quantity: 500 square meters
- Price: \$15 square meter
- Packaging Details: For sandwich panel and color steel sheet, we use plastic packing. If the clients need special packing will according to their requirements.
- Delivery Time: 15 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 Square Meter/Square Meters per Day



Product Specification

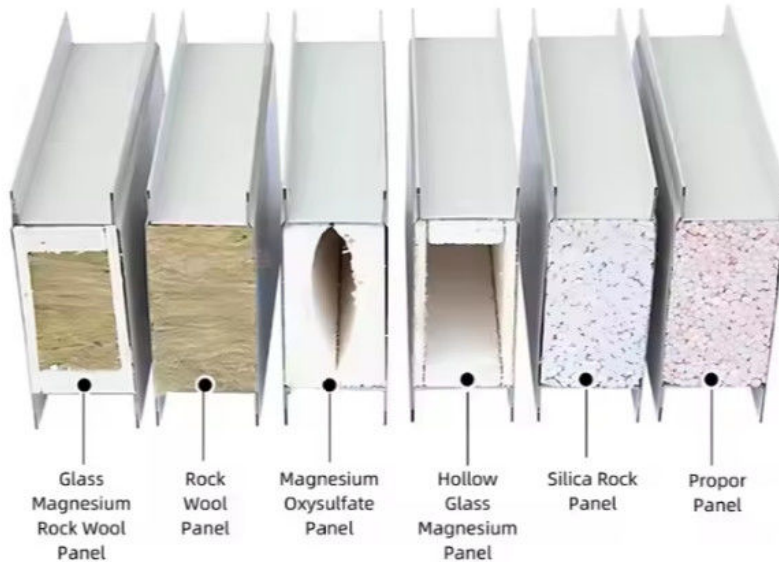
- Product Name: Clean Room Dust Cleaning Panel Dustproof Workshop And Operating Room Special Wall Panel
- Keyword: Clean Room Wall Sandwich Panel
- Core Materials: Mgo/rock Wool/PU/silica Rock
- Feature: Fire Proofing, Thermal Insulated, Big Bearing Capacity
- Color: Light Gray
- Certificate: CE ISO
- Fireproof Rating: A1
- Application: Industry Or Hospital
- Warranty: 5 Year
- Thickness Of Panel: 50/75/100/120/150/200mm
- Highlight: **Workshop Dustproof Wall Panel,
Operating Room Dustproof Wall Panel,
Clean Room Dustproof Wall Panel**

Product Description

Clean Room Dust Cleaning Panel Dustproof Workshop and Operating Room Special Wall Panel

Product Overview-----

Our cleanroom sandwich panels are meticulously designed to meet the stringent requirements of controlled environments. Utilizing advanced materials such as rock wool, PU foam, propor, magnesium oxysulfate, hollow glass magnesium, glass magnesium rock wool, aluminum honeycomb, and paper honeycomb, these panels offer unparalleled thermal insulation, fire resistance, and durability. Ideal for constructing cleanrooms, laboratories, and other sterile environments, our panels ensure both safety and efficiency.



Clean Room Sandwich Panel Advantage-----

- * **Exceptional Insulation:** Superior thermal and acoustic insulation properties.
- * **High Fire Resistance:** Excellent fire-resistant ratings for enhanced safety.
- * **Durability:** Strong construction for long-lasting performance.
- * **Lightweight:** Easy to handle and install, minimizing labor costs.
- * **Hygienic Surface:** Smooth, non-porous surface for easy cleaning and contamination prevention.
- * **Eco-friendly:** Made from sustainable and environmentally friendly materials.

Feature-----

- 1- **Rock Wool Core:** Offers high fire resistance and sound insulation.
- 2- **PU Foam Core:** Provides excellent thermal insulation and lightweight properties.
- 3- **Propor Core:** Ensures structural integrity and moisture resistance.
- 4- **Magnesium Oxysulfate Core:** Combines fire resistance with superior mechanical strength.
- 5- **Hollow Glass Magnesium Core:** Lightweight with good thermal and sound insulation.
- 6- **Glass Magnesium Rock Wool Core:** Enhanced fire resistance and acoustic properties.
- 7- **Aluminum Honeycomb Core:** Lightweight and strong, ideal for high-load applications.

8- Paper Honeycomb Core: Cost-effective with good structural stability and insulation properties.

| | | | | |
|---------------------|---|-------------------------------------|------------------------------|---|
| sandwich panel | double side steel +silicon rock filler | double side steel +rock wool filler | double side steel+EPS filler | double side steel+magnesium oxide board |
| fire proofing grade | A | A | B | A |
| Function | Wall and Ceiling panel | | | |
| Size | 1150mm width, height customized | | | |
| Thickness | 50mm, 75mm, 100mm | | | |
| Installation | 1. we send engineer to customer side 2. construct out to construction team 3. customer send technician to our company for free studying | | | |

Related Purification Equipment-----



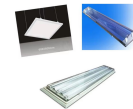
Pass Box



Laminar Clean Bench



Air Shower



Cleanroom lighting



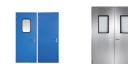
Fan Filter Unit(FFU)



Air Handling Unit(AHU)



PVC Rolling Door



Clean room doors

Clean room doors for modular clean room turnkey for pharmaceutical factory

- Alu frame panel doors
- Flush type steel skin doors
- HPL skin doors
- Stainless steel doors
- Auto sliding door
- Emergency door

Clean room windows for modular clean room turnkey for pharmaceutical factory

- Flush type double glass window
- Alu frame double glass window
- Single glass window

Alu profile coving, corner, hanging and connection system

HVAC System for modular clean room turnkey for pharmaceutical factory

- HVAC design and room data: according to ISO14644-1 and CFR209E cleanliness class

Chiller system:

- Air cooling chiller
- Water cooling chiller

Air handling unit (AHU)

- Humidifier or dehumidifier

- Air supply ducts

- HEPA filter box

- Air return and air exhaust ducts

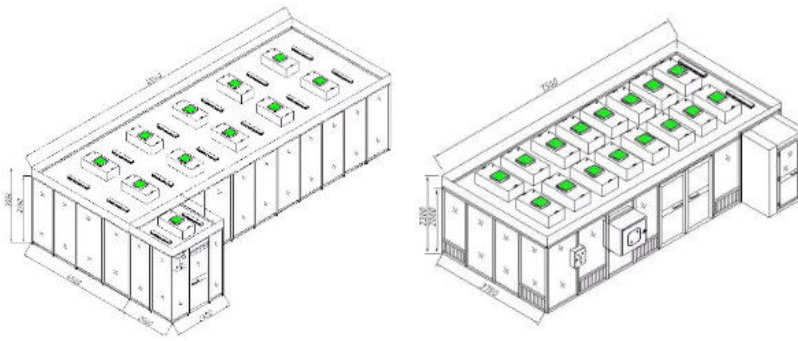
- Diffuser, grills , valves, damper and louver, fan etc

Flooring system for Modular Portable Clean Room 100 class clean room house Prefabricated

Clean Room Accessory Equipment:

- Clean room telephone
- Static pass through box
- Dynamic pass through box

Design Into Production-----



Successful Project-----



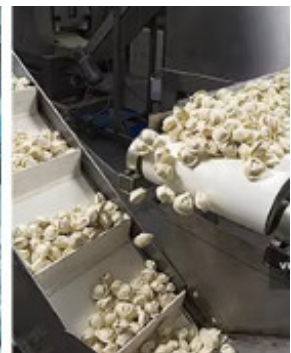
Hospital



Manufacturing



Semiconductor



**Food
Manufacturing**



Life Sciences



Agriculture



Microbiology



Automotive

* Solution:

* Wall-ceiling system integrated with HEPA filters

* Grounding resistance $<1 \times 10^6 \Omega$, compliant with SEMI F47 voltage sag standards

* Case Study: 32,000m² deployed in a Taiwan 12-inch wafer fab project

Facilities

* Key Technologies:

* Radius corners ($R \geq 50\text{mm}$) to eliminate cleaning dead zones

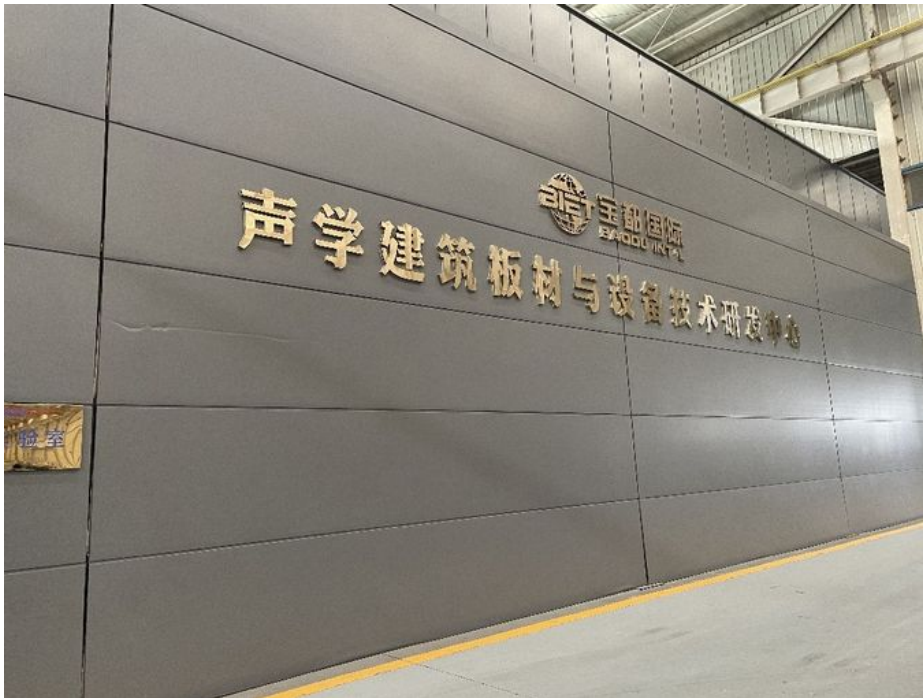
* Pre-installed ports for real-time particle monitoring

Data Center Retrofits

* Energy Efficiency Data:

* U-value $0.28 \text{ W/m}^2\cdot\text{K} \rightarrow 18\%$ annual cooling energy savings

Comapny-----





Digital Bending Machine



Filter Media
Pleating Machine



Filter Media
Pleating Machine



Automatic PAO Testing Platform



CNC-router

Baodu International Advanced Construction Material Co.,Ltd was established in January 2010 with the office in Beijing and factory in Hebei, China.

Baodu is a designer, manufacturer, supplier and exporter of acoustic sandwich panel, insulated metal panel, profiled steel sheet, perforated metal sheet, steel structure and warehouse.

Baodu has the patented and customized double connection sandwich panel production line and imported steel plate bending machines from Swiss land and Germany.

Baodu has an annual output of 6 million square meters of acoustic sandwich panels, 100000 tons of steel structures and 1 million square meters of profiled steel sheet.

Baodu has a professional design team with more than 10 years' experience, including 5 senior engineers, 20 engineers, and 35 technicians. Baodu has over 70 intellectual property rights, More than 30 registered trademarks, CE certification and Russian GOST certification etc.

Baodu have successively served key projects in in Dubai, Mongolia, Philippine, Mexico, US , Australia, Iraq, etc. the key projects is as below : Mongolia MCS Group Gold Mine Project; Philippines Malivans 2x330MW Coal-fired Power Plant Project; China Eastern Airlines Maintenance Warehouse Project of Beijing Daxing Airport

; Iraq Basra Gas Turbine Combined Cycle Power Plant Expansion Project; Dubai Hasyan 4*600MW clean coal-fired power plant project. Welcome your coming to Baodu for a visit and cooperation!



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