

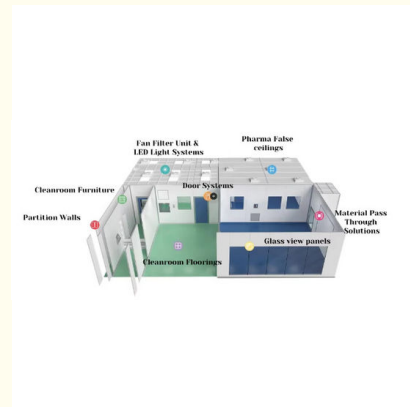


Clean Room Wall Panel Ceiling Panel Fireproof Class A1 High performance Laboratory Research Clean Room

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 Wall Panel And Ceiling Panel
Fireproof Class A1 High-performance Panels
Laboratory And Research Clean Room
- Keyword: Clean Room 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: **Research Clean Room Wall Panel,
Laboratory Clean Room Wall Panel,
High performance Clean Room Wall Panel**

Product Description

Clean Room Wall Panel and Ceiling Panel Fireproof Class A1 High-performance Panels Laboratory and Research Clean Room

Product Overview-----

Cleanroom Project Scope(from structure, HVAC,electric to autoc ontrol)	1. Cleanroom Structure: Wall Panel, Ceiling Panel, Windows, Doors, Fttings, Flooring
	2. HVAC: AHU, Chiller, dehumidifier, Ducting, Piping, etc.
	3. Electric: Lighting, Switch, Cables, Wires, Power Distribution Cabinet, etc
	4. Auto- control: PLC Controller, Sensors for Humidity and Temperature, Control Panel
	5. Process Piping System: Gas, Water Pipeline
Equipment	Air shower, Cargo shower, Mist shower, Dynamic pass box, Static pass box, Sampling booth,Weighing booth, Dispensing booth, Medicine stability test chamber, isolator, VHP sterilizer,Biological safety chamber, FFU, LAF, etc.
Temperature	21-27°C (or as per required)
Humidity	30-60°C (or as per required)
Application	Pharmaceutical factory, hospital, medical device factory, electronics factory, food factory,cosmetics factory, etc.
Qualification Documents	CE GMP ISO
Full Service	FAT and SAT Service, Professional Consultation, Training, 24 hours technical support

Cleanrooms are essential to any manufacturing process where particulate contamination can affect the quality of goods produced. Specific clean room classifications and ISO class code descriptions provide protective guidelines and secure environments through controlled air filtration, which lowers the possibility of product contamination or large particulate interference within critical process manufacturing. Specific cleanroom requirements and ISO 14644-1 cleanroom standards are used to protect consumers from any potential flaw or mishandling of a product.

Additionally, clean room classifications require that positive pressure is continuously maintained while the cleanroom is operational. This process prevents contaminated air from flowing back within the clean air environment. This process allows clean filtered air to continuously flows from clean to less-clean spaces, allowing for continual air movement.

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 sidec 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 technicistto our company for free studying			

Related Purification Equipment-----




Cleanroom Door

[View More](#)




Roll-up Door

[View More](#)




Modular Clean Room

[View More](#)




Modular Operating Room

[View More](#)



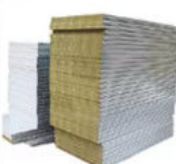
Hospital Sliding Door

[View More](#)




Stainless Steel Medical Cabinet

[View More](#)




Sandwich Board

[View More](#)




SUS 304 Washing Sink

[View More](#)




Air Shower Room

[View More](#)




Clean Bench Workbench

[View More](#)



Fan Filter Unit

[View More](#)



Pass Box

[View More](#)

Clean room doors for modular clean room turnkey for pharmaceutical factory

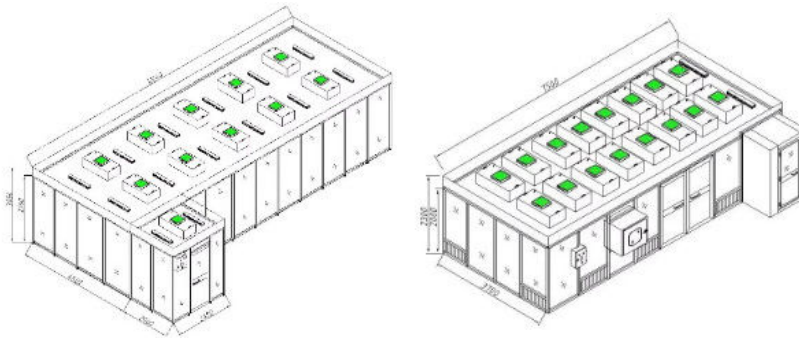
- Alu frame panel doors
- Flush type steel skin doors
- HPL skin doors
- Stainless steel doors
- Auto sliding door
- Emergency door

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 RoomAccessory 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

Semiconductor Wafer Fabs (Class 10 Cleanrooms)

* 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 W/m²·K → 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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