



Clean Room Manual Sandwich Panel Engineering Portable Gmp Cleanroom Modular Dust Free Clean Room

Our Product Introduction

Basic Information

- Place of Origin: HEBEI, CHINA
- Brand Name: BAODU
- Certification: CE
- Model Number: Four Sides Frame Rockwool Cleanroom Sandwich Wall Panel
- Minimum Order Quantity: 500 square meters
- Price: \$7-10 square meter
- Packaging Details: For sandwich panel and color steel sheet, we use the 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 Manual Sandwich Panel Engineering Portable Gmp Cleanroom Modular Dust Free Clean Room
- Width: 980mm, 1180mm
- Keyword: Clean Room Manual Sandwich Panel
- Steel Facer Thickness: 0.4-0.8mm
- Core Materials: Rockwool
- Outer Plate Material: PPGI
- Frame Thickness: 0.6/0.8mm
- Applications: Pharmaceutical Cleanroom, Electronic Cleanroom, Food Cleanroom, Etc.
- Lead Time: 30 days
- Color: Customized
- Highlight: Gmp Cleanroom Sandwich Panel, Portable Clean Room Sandwich Panel, Dust Free Clean Room Sandwich Panel

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Product Overview-----

Cleanroom sandwich panel (also known as cleanroom-specific panel) is a special decorative panel used in high hygiene standard environments such as clean rooms, laboratories, and hospitals. It is made by combining multiple layers of composite materials (such as color steel plates, aluminum honeycomb cores, rock wool, calcium silicate boards, etc.) through high-temperature and high-pressure processes. Its surface is covered with an antibacterial coating or PVC/PET film, featuring dust-proof, corrosion-resistant and easy-to-clean properties. It is a core building material for high-end clean projects.



Features-----

Superior cleaning performance:

Seamless surface design + antibacterial coating, inhibits the growth of microorganisms such as Escherichia coli and Staphylococcus aureus, reducing the risk of cross-infection. Smooth and pore-free structure, dust and stains are not easily adhered, and it supports direct cleaning with alcohol and disinfectant.

Fire safety:

A-level fire resistance rating, some products can reach A1-level non-combustibility, no toxic smoke is produced when exposed to open flame, ensuring the safety of enclosed spaces.

Durable and corrosion-resistant: Resistant to acids and alkalis, moisture-proof and mold-proof, suitable for high-humidity environments and frequent contact with chemical reagents (such as pharmaceutical factories and laboratories).

Lightweight and easy installation:

Weight is 8-120kg/m² (depending on the core material), 50% lighter than traditional stone, reducing building load, supports modular assembly, and saves construction time.

Environmental certification:

Meets E1-level environmental standards (formaldehyde emission $\leq 0.5\text{mg/L}$), some products have passed SGS and LEED certifications, meeting the requirements of green buildings.

Product Parameters-----

item	Parameter details
Base material type	Color steel plate/aluminum honeycomb/rock wool/calcium silicate board (optional)
Thickness	50mm/75mm/100mm(Regular, customizable)
Panel material	Galvanized steel plate (0.5-0.8mm) or PVC/PET film coating (0.1-0.3mm)
fireproofing grade	A

Compressive strength	≥120kPa (rock wool core material)
Applicable temperature	-30°C to +120°C (long-term stable)
Color	RAL

Production Process-----

1. Raw Material Selection:
- * Basalt rock ($\text{SiO}_2 \geq 45\%$, $\text{Al}_2\text{O}_3 \geq 14\%$) + slag ($\geq 70\%$ recycled)
2. Fiber Production:
- * Electric furnace melting (1,500-1,600°C) → Four-roller centrifugal spinning (7,200rpm) → Fiber diameter 4-7μm
3. Curing Process:
- * Phenolic resin spraying (formaldehyde emission $\leq 0.05\text{ppm}$, EN 717-1) → Curing oven at 230°C
4. Lamination:
- * Steel plate pretreatment (degreasing → phosphating → nano-ceramic coating) → Continuous hot pressing (1.2MPa, 180°C)
5. Quality Control:
- * Online X-ray inspection (void detection) → Laser thickness gauge ($\pm 0.1\text{mm}$ accuracy) → Batch fire performance testing

Application Scenarios-----

Medical field:

Operating rooms, ICU wards, and sterile drug production workshops: Utilize antibacterial properties to reduce infection rates and meet GMP certification requirements.

Electronic industry:

Semiconductor cleanrooms, precision instrument assembly lines: Anti-static optional models (surface resistance value $10^6 \sim 10^9 \Omega$) to prevent dust adhesion.

Food processing:

Dairy and beverage filling workshops: Corrosion-resistant and easy-to-clean design, in compliance with HACCP food safety standards.

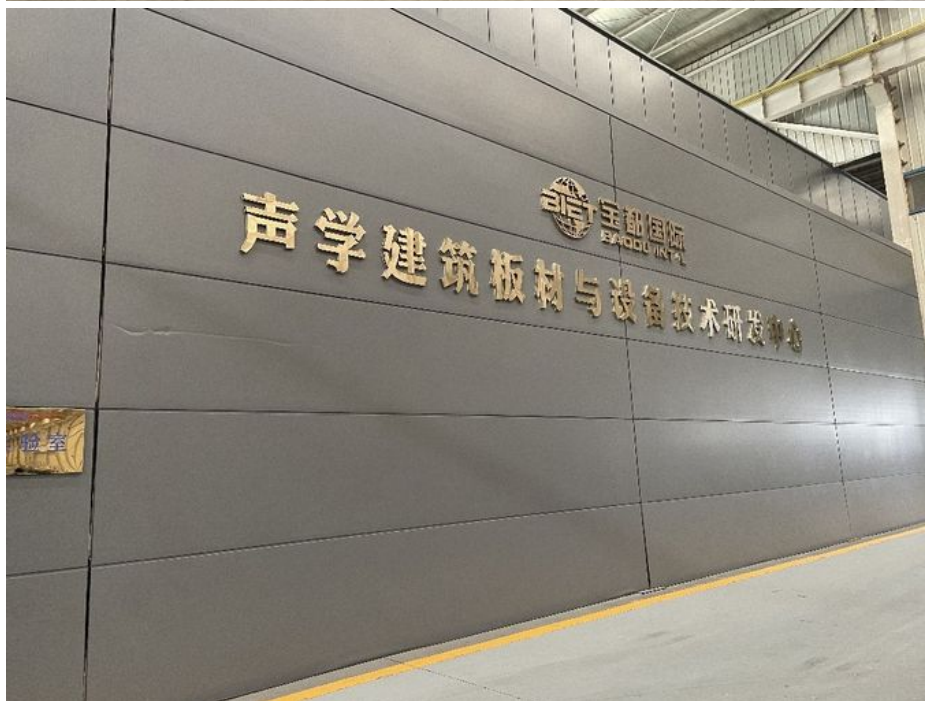
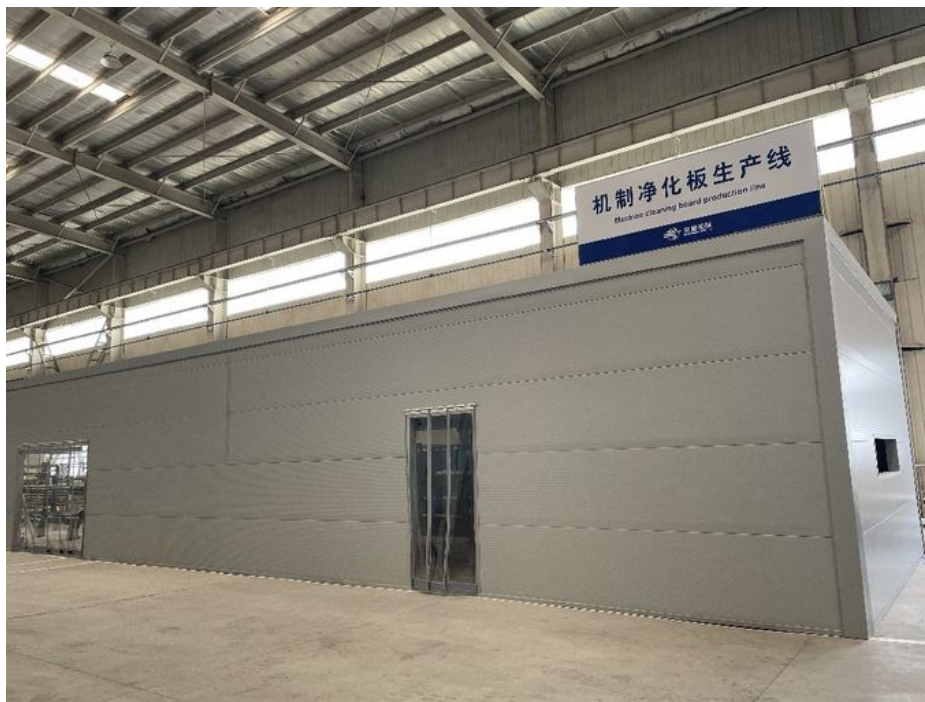
Biological laboratories:

P2/P3-level laboratories, animal rooms: Airtight splicing technology + chemical-resistant, ensuring environmental safety.

Public buildings:

Metro stations, airports: Class A fire resistance + high wear-resistant surface, balancing safety and aesthetics.

Our comapny-----



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

FAQ



STRIVE TO SURPASS CUSTOMER'S EXPECTATIONS

Q1. Are you trading company or factory?

A1. We have our own factory so that we can provide the best price for you.

Q2. Where is your factory?

A2. Our factory is located in Yongqing Hebei Province which is only one

Q3. How is your production capacity of sandwich panel?

A3. Our sandwich panel production line is imported from Europe and we can produce 3000 square meters per day.

Q4. What are your advantages.

A4. As a high technology company in the construction material industry, we have our own technician team, most of whom have more than 10 years experience. And we also have the strict quality control in our production lines.

Q5. What is your payment term and delivery time?

A5. We accept the T/T or L/C. And the Ali trade assurance is also acceptable. As for the delivery time, we need make the production plan for each order. Usually, it takes about 10 days after we confirm the order.

Q6. How about the sample order?

A6. We provide free samples, but you need pay the freight for it.

Q7. How about your After-sales policy?

A7. Baodu wants to provide the best products and service to each client. We will provide the online after-sales training. If necessary, you can visit our factory.



宝都国际
BAODU INT'L

Baodu International Advanced Construction Material Co., Ltd.



+86 13717927965



chunlei.song@baodu.com



baodupanel.com

Room 1101, Building 6, Yard 9, Hongye Road, Daxing District, Beijing