

Insulation Prefabricated Wall Panels Fireproof Sandwich Panel Modular Cleanroom

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: \$10-18 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



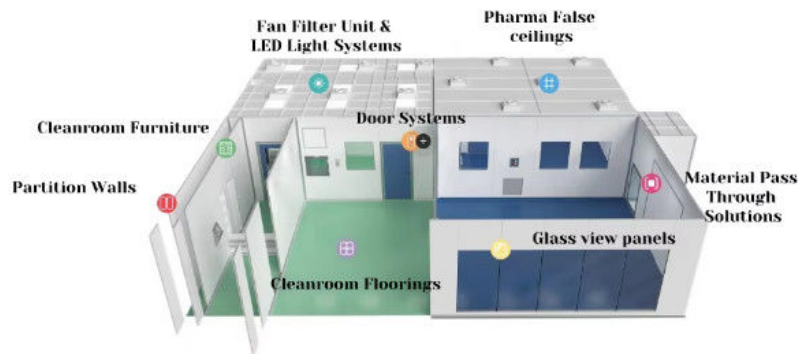
Product Specification

- Product Name: Insulation Prefabricated Wall Panels Fireproof Sandwich Panel Modular Cleanroom
- Keyword: Modular Cleanroom
- Applications: Pharmaceutical Cleanroom, Electronic Cleanroom, Food Cleanroom, Etc.
- Lead Time: 15 day
- Certificate: CE ISO
- Colors: Light Gray
- Cleanliness: Class 100-100000
- Fireproof Rating: A1
- Feature: Fire Proofing, Thermal Insulated, Big Bearing Capacity
- Size: Customized
- Highlight: **Modular Cleanroom Sandwich Panel, Modular Cleanroom Prefabricated Wall Panels, Fireproof Prefabricated Wall Panels**

Product Description

Insulation Prefabricated Wall Panels Fireproof Sandwich Panel Modular Cleanroom

Product Overview-----



Features: Low investment, high return. Stable, building a cleanroom of higher cleanliness will not affect the manufacturing of existing clean room. Flexible designs bring the maximum convenience and practicability.

Product Application

1. With FFU (Fan Filter Unit) as the core, clean booth provides a high level of cleanliness. It is a good option to create a cleaner space within an existing normal room or a room with low-level of cleanliness.
2. Easy installation, low cost, modularized design and easy upgrading
3. Application: LCM, LED, LCD, Electrical product, CMOS Camera Module, Touch Play, Optical Module, FILM, Biological Pharmacy, Optoelectronic Display, PCB, Microelectronics, Dust-free coating.

Main Features

- (1) Assembly structure designed, easy installation and easily moved
- (2) Directional wheels can be installed, suitable for small building and high cleanliness area;
- (3) Modular design: clean booth can be as small as several square meters and can be as large as hundreds of square meters
- (4) It has large useful and effective area; while compared with traditional clean room, it has such features like low investment, high return and stable.

Wall systems-----



The cleanroom walls manufactured by baodu are made using innovative materials conceived for use in controlled contamination environments.

The "sandwich" panel can be realised with various components both for the external panelling and the internal insulation, which vary according to specific project requirements.

Range from false ceilings with a visible 50mm aluminium frame, with panels surface-mounted or flush-fitted to aluminium profiles, to high-load false ceilings (walkable) with a concealed structure. The modules are suitable for housing filters, grilles and lighting fixtures for each size.

Advantages

- Panel come with steel frame four sides to avoid contamination.
- Resistant to chemical, attack abrasion and scratches Clean Room Fabrication.
- High quality insulation core materials.
- Pre-embedded reinforcement for the opening of light fixture and air filters.
- Pre-embedded conduit for wiring.
- Advanced design makes all connection smooth, flush and cleanable
- Easy and fast installation system.
- Finishing Surface can be flush connection as required.
- Strong walkable ceiling/ false ceiling

Modular wall and ceiling sandwich panel for modular clean room turnkey for factory

(1) Types:

-Machine –made economical sandwich panel -Hand-made modular sandwich panel (2) Surface material : - Pre-painted galvanized steel (PPGI) -304 stainless steel HPL(Melamine high pressure laminate) (3) Core insulation material: - EPS(Expanded polystyrene) -PUF (Polyurethane foam) -Rock wool (mineral wool) -Paper or aluminum honeycomb - magnesium gypsum board

| Technical Parameters | | | | |
|----------------------|--------------|-----------------------------------|------------------|------------------|
| Class | Model | Inner dimension W * D * H (mm) | Number of FFU | Air volume(m3/h) |
| Class 10-100 | GHCR4 * 4 | 1220 * 1220 * 2150 | 2 | 2300 |
| | GHCR4 * 8 | 1220 * 2440 * 2150 | 4 | 4600 |
| | CHCR8 * 8 | 2440 * 2440 * 2150 | 8 | 9200 |
| | CHCR 8 * 12 | 2440 * 3660 * 2150 | 12 | 13800 |
| | CHCR 8 * 16 | 2440 * 4880 * 2150 | 16 | 18400 |
| | CHCR 8 * 20 | 2440 * 6100 * 2150 | 20 | 23000 |
| | CHCR 12 * 12 | 3660 * 3660 * 2150 | 18 | 20700 |
| Class 1000 | CHCR 8 * 12 | 2440 * 3660 * 2150 | 9 | 10350 |
| | CHCR 8 * 16 | 2440 * 4880 * 2150 | 12 | 13800 |
| | CHCR 8 * 20 | 2440 * 6100 * 2150 | 15 | 17250 |
| | CHCR 10 * 12 | 3060 * 3660 * 2150 | 8 | 9200 |
| | CHCR 12 * 12 | 3660 * 3660 * 2150 | 10 | 11500 |
| | CHCR 12 * 16 | 3660 * 4880 * 2150 | 12 | 13800 |
| | CHCR 12 * 20 | 3660 * 6100 * 2150 | 16 | 18400 |
| Class 10000 | CHCR 8 * 8 | 2440 * 2440 * 2150 | 2 | 2300 |
| | CHCR 8 * 12 | 2440 * 3660 * 2150 | 2 | 2300 |
| | CHCR 8 * 16 | 2440 * 4880 * 2150 | 4 | 4600 |
| | CHCR 8 * 20 | 2440 * 6100 * 2150 | 4 | 4600 |
| | CHCR 12 * 12 | 3660 * 3660 * 2150 | 4 | 4600 |
| | CHCR 12 * 16 | 3660 * 4880 * 2150 | 5 | 5750 |
| | CHCR 12 * 20 | 3660 * 6100 * 2150 | 6 | 6900 |

Wall accessories

Sealing

Well sealing, no dead corner.

Aluminum alloy cover all angle between

Wall and Wall

Wall and Ceiling

Wall and Floor



Glass View Panels-----



To further expand these viewing points and make our clean rooms even more “open” and bright, we have created glass panels, one or two meters in height, for uninterrupted continuous vision. The glass panels are always produced with 45 mm thick double glazing completely flush with the surface of the partition walls or doors.

Advantages Aluminum profile coving, corner, hanging and connecting system

-Flush type double glass window

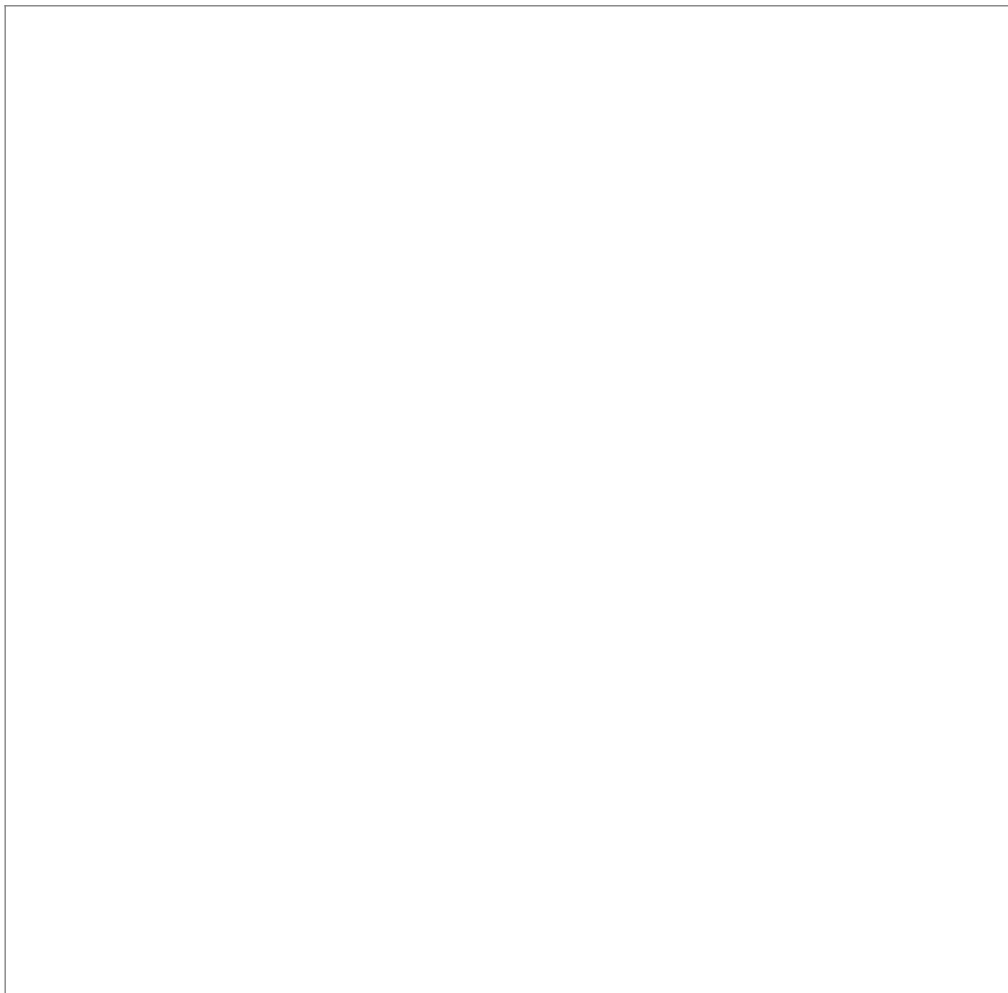
-Aluminum frame double glass window -Single glass window

Doors-----



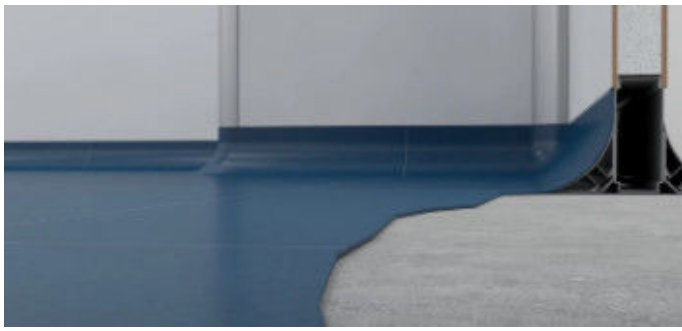
The clean room doors are made of aluminium frame; the panel is made with the same sandwich as the partition walls, allowing total flush-fitting between the components and the wall itself.

The door installed on plasterboard or brick walls is prepared with rounded aluminium profiles, which make it possible to cover different thicknesses of from 80mm to 600mm.



| | | | |
|------------------------------|---|----------------|---------------|
| | | | |
| Types | Swing doors | Sliding doors | Roll-up doors |
| External surfaces | galvanized steel , powder-coated steel, stoving varnish steel, aluminium alloy | | |
| Core door panel | rock wool, polystyrene, aluminium honeycomb ,paper honeycomb | | |
| Handles | open press knobs, fixed knobs with magnetic closure or anti-panic push-bar handles | | |
| Observation window | Square Glass, Oval glass ,Square outside and round inside glass Single, double glass | | |
| Opening method | Hand/foot/infrared sensor | | |
| Optimal Configuration | Open or hidden door closers/interlocks/access guards/louvers/anti-collision belt | | |
| Further accessories | floor seal air-stop, mechanical door contacts, electric locks, electromagnets, concealed hinges and closures integrated into the frame. | | |
| Size | 900*2100 1000*2100 1200*2100 1500*2100 or as required | | |
| Color | RAL color as required | | |
| Power voltage | | AC220V 50-60Hz | |
| | | | |

Floor-----



There are 2 options for cleanroom flooring depending on the application, one is epoxy flooring and the other is PVC flooring.

Cleanroom PVC flooring, it is possible to cover the aluminium wall connection profiles to obtain a perfectly flush-fitting and hygienic environment.

Cleaning is even easier thanks to the polyurethane surface treatment and the compact surfaces that no longer require surface waxing. Based on specific project needs, the brand and the type of material required are selected from a wide and highly specific product range.

Advantages

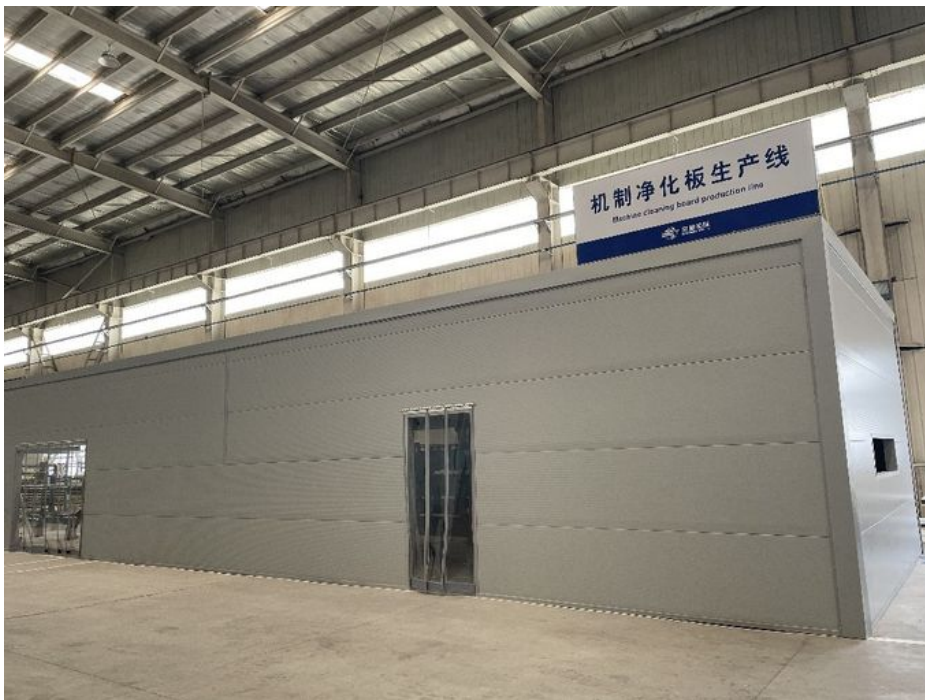
--Anti-Bacterial -Antistatic

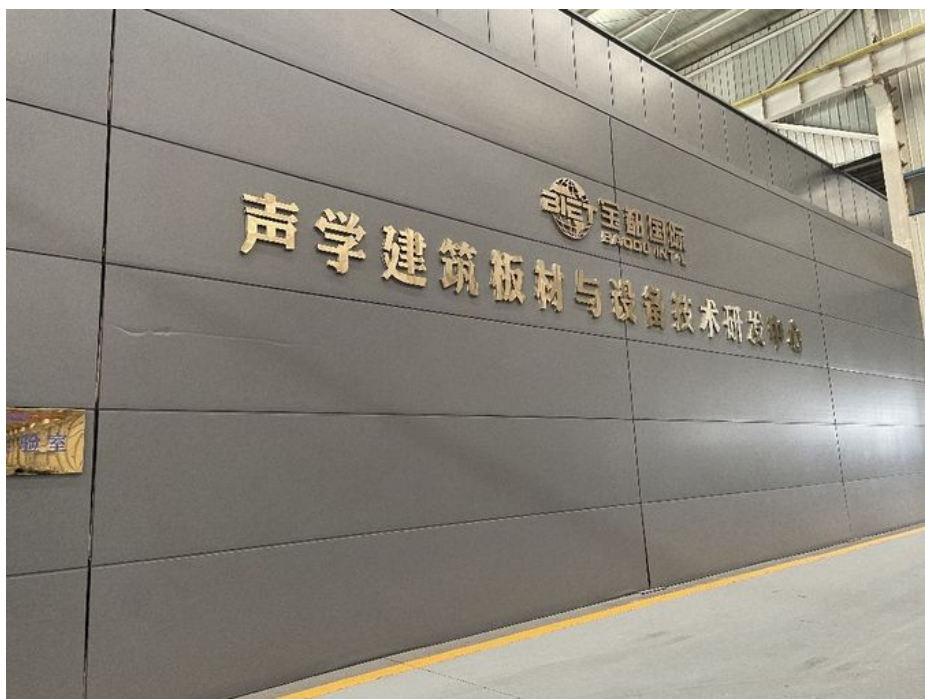
-Acoustic insulation -Resistant to most chemical agents diluted with acids, bases, oils and fuels -Smooth matte effect -Solvent-free

-Ultra-compact surface ideal for cleaning and hygiene

-PU surface finish (no wax – no polish)

Our company-----





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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