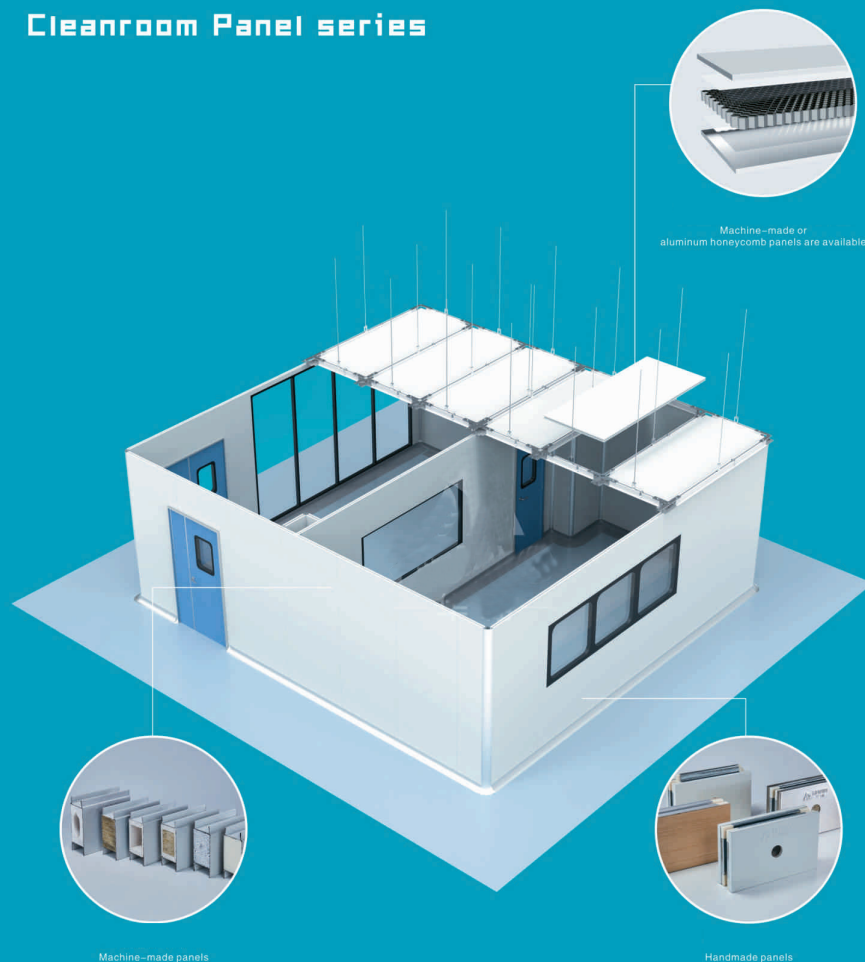


Cleanroom Panel series



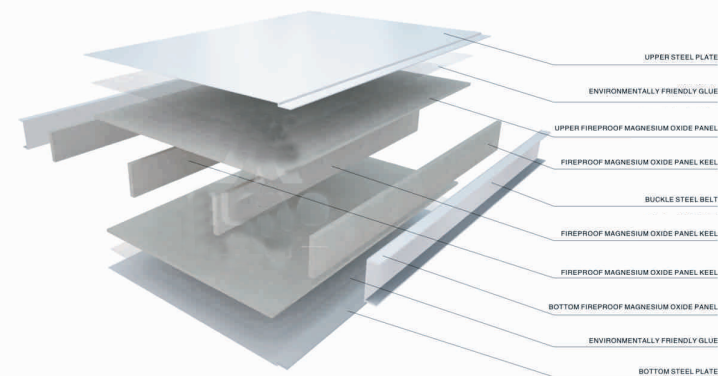
Machine-made or aluminum honeycomb panels are available

Machine-made panels

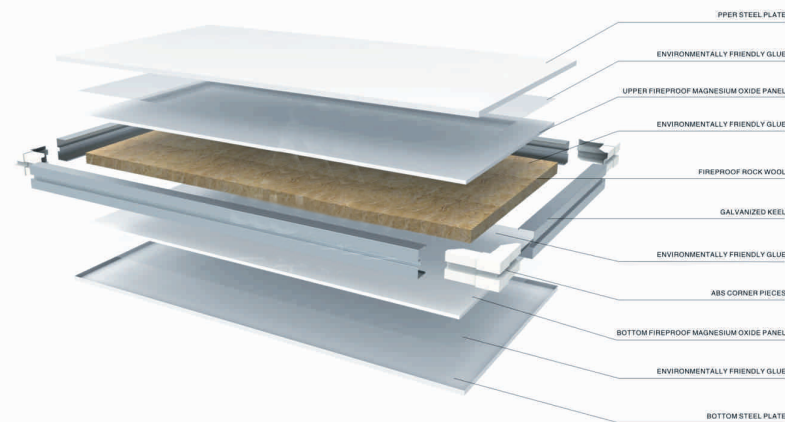
Handmade panels

Huao Clean Board includes both machine made and handmade board series, made using advanced production processes. Its core material can be selected according to environmental requirements, and the product has strong adsorption and antibacterial properties, which can effectively clean various dirt and bacteria. It can be widely used in various places such as research rooms, medical environments, electronic factories, and new energy workshops.

Machine made Panel disassembly diagram



Handmade Panel disassembly diagram





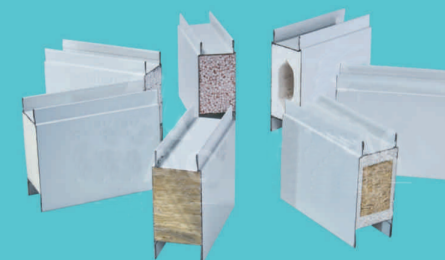
Machine plate is a surface layer (two layers) and a high strength adhesive made of galvanized or color coated sheet. Through high-speed continuous automatic forming, heating and pressing, trimming, grooving, etc. The new generation of building decoration board made of cutting materials has the advantages of heat preservation, heat insulation and convenient installation. Characteristic: The core material can be glass magnesium, rock wool, foam, siliceous rock, non old foam and polyamine. Ester, paper honeycomb, aluminum honeycomb, etc.

Machine-made panels

Machine made of Cleanroom Panel

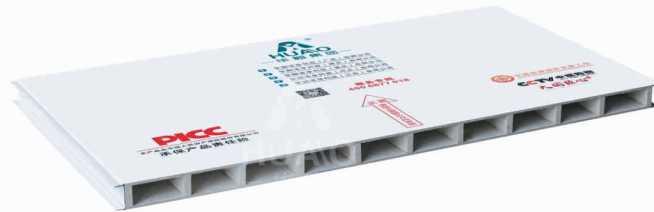
Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



Rabbit joint type	Splicing of mouthpiece
Regular thickness: 50-100mm	
Regular width: 1150mm	
Regular length: Subject to transportation restrictions	
Regular core materials: The core material can be glass magnesium, rock wool, EPS, silica, propor, paper honeycomb, aluminum honeycomb, etc	

MGO Cleanroom Panel



Grade A of fireproofing material of hollow glass magnesium plate core material is a high-grade fireproofing material of composite plate at present, which meets the requirements of fire protection. Magnesium sulfate glass-magnesium plate is a perfect substitute for the original magnesium chloride/glass-magnesium plate to solve the halogenation phenomenon of corroded steel plate and aluminium alloy caused by chloride ion release. The product has the characteristics of high strength, high bearing capacity, impact resistance, high temperature resistance, quick installation and beautiful appearance.

Specification:

Effective width: 1150mm
Thickness: 50mm—100mm (according to the requirement of customers)
Length: It is made upon the need of users and project requirement.
Core material: Glass magnesium hollow core, glass magnesium rock wool, glass magnesium foam, glass magnesium aluminum honeycomb, glass magnesium paper honeycomb.
Erection structure and application: Rabbit joint.

Features:

Fire protection: 60 minutes
High Density, High Temperature Resistance,
Strong Bearing Capacity



Panel color :

It is widely used in: Indoor and outdoor boards for purifying factory building, combined house and indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



MGO Rock Wool Cleanroom Panel



It is suitable for projects with high requirements for fire prevention. Rock wool fibers are perpendicular to the metal face plate, and high density strip rock wool is staggered along the length of the plate, which ensures that the rock wool Purification board has good bearing capacity. Rock wool sandwich board has a significant effect on reducing noise transmission, especially in areas with high requirements for sound insulation. Use grade A of Fireproof rock wool and it has better sound insulation and heat insulation effect.

Specification:

Effective width: 1150mm
Thickness: 50mm—100mm.
Rock wool density: 60—140 kg/m³
Length: Production according to user's needs and engineering requirements
Core material: glass-magnesium filled rock wool.
Installation structure and application: splicing of mouthpiece

Features:

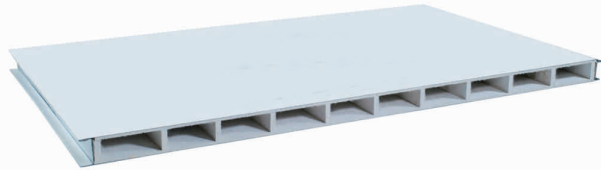
Fire protection: 120 minutes
Sound insulation: ISO 717/B2 & UNI18270/7 Standards, especially in environments with high requirements for sound insulation.

Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.

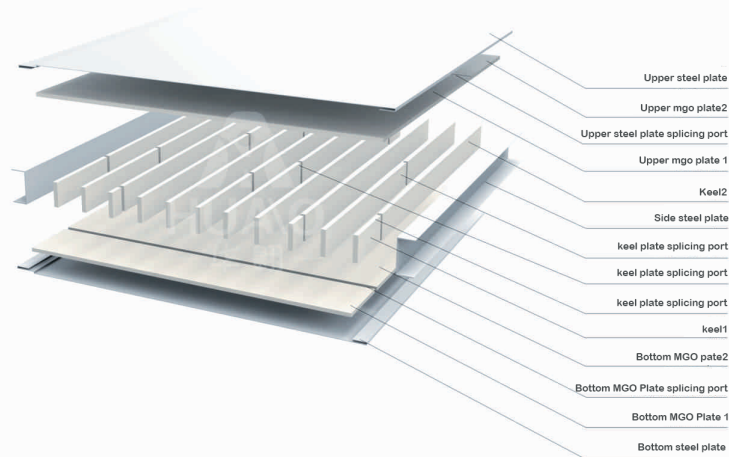


Huijun MGO Cleanroom Panel



Huijun Glass Magnesium Board, which has a Chinese national patent (patent number ZL 2004100277716), not only retains the characteristics and advantages of the original glass magnesium board, but also breaks through innovations in technology and processes. It adopts a unique special process and is produced in a fully automated assembly line in one step. The upper and lower 5mm glass magnesium panels and 11 ribs are staggered, and the 13 connection points are not in the same straight line. The bearing capacity, flatness, strength, and safety are higher than those of traditional glass magnesium boards.

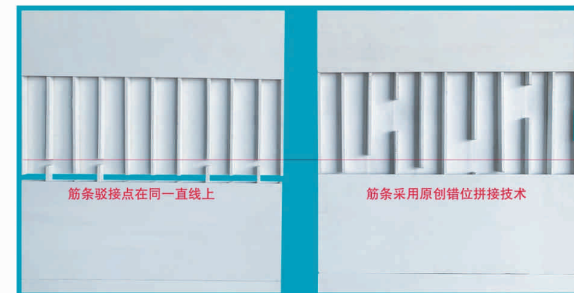
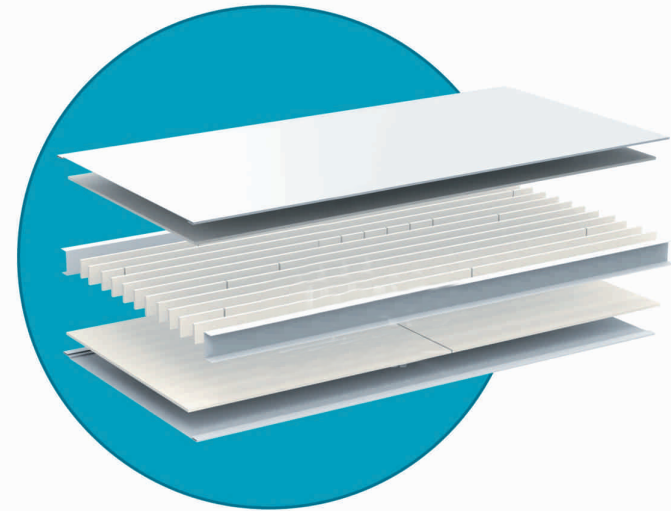
Huijun MGO Cleanroom Panel disassembly diagram



Unique special process



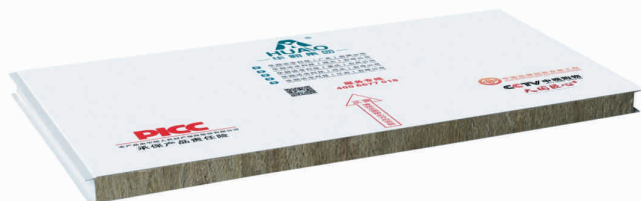
- The upper and lower 5mm panels and 11 ribs are staggered
- 13 docking points are not in the same straight line
- Higher flatness, strength, load-bearing capacity and safety
- Fully automated assembly line production and one-time molding



TRADITIONAL PROCESS MGO SANDWICH PANEL

Traditional crafts **VS** Decheng crafts
HUIJUN PROCESS MGO SANDWICH PANEL

Rock Wool Cleanroom Panel



It is suitable for projects with high requirements for fire prevention. Rock wool fibers are perpendicular to the metal face plate, and high density strip rock wool is staggered along the length of the plate, which ensures that the rock wool Purification board has good bearing capacity. Rock wool sandwich board has a significant effect on reducing noise transmission, especially in areas with high requirements for sound insulation. Use grade A of Fireproof rock wool and it has better sound insulation and heat insulation effect.

Specification:

Effective width: 1150mm
Thickness: 50mm – 100mm.
Density: 60–140 kg/m³
Length: Production according to user's needs and engineering requirements
Installation structure and application: splicing of mouthpiece

Features:

Fire protection: 60 minutes
Sound insulation: ISO 717/82 & UNI18270/7 Standards, especially in environments with high requirements for sound insulation.

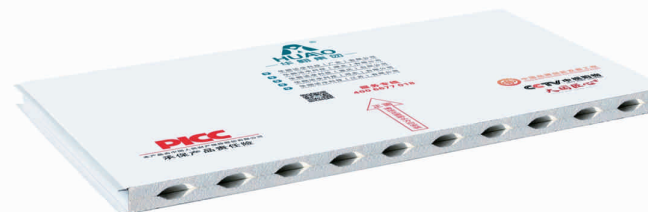


Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



Magnesium Oxysulfide Purification Panel



Magnesium oxysulfide fireproof insulation board (commonly known as hollow magnesium oxysulfide board) is a special core material for color steel purification board. It is made of magnesium sulfate, magnesium oxide and other materials by lamination method, after pressing and moulding. It is a new type of clean and heat preservation product with green and environmental protection. Compared with other types of color steel plate core materials, it has the advantages of fire prevention, waterproof, thermal insulation, bending resistance, heat insulation, sound insulation, non-toxicity, light weight and neat appearance. It makes up for the shortcomings of some color steel purification plate core materials on the market at present, such as strength, bending resistance, bearing capacity. Excellent stability, especially suitable for some indoor and outdoor partition walls and ceiling for specific geographical characteristics.

Specification:

Effective width: 1150mm
Common thickness: 50mm – 100mm.
Common density: 220kg/m³ (according to customer requirements)
Length: Production according to user's needs and engineering requirements
Installation structure and application: splicing of mouthpiece

Features:

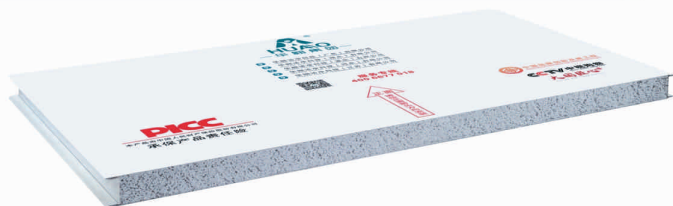
Fire protection: 60 minutes
Fire-proof A1 grade, with high strength, good smoothness,
Thermal insulation, waterproof, moisture-proof, sound insulation and other products Unique characteristics.

Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



Silica Cleanroom Panel



Silica slabs are mainly made of polystyrene, which is originally a good low thermal conductivity material, and then extruded to form a compact honeycomb structure. Thereby, the heat conduction is effectively prevented, which has the characteristics of high thermal resistance and low linear expansion rate. The difference between rock wool board and rock wool board lies in the temperature resistance, thermal conductivity and resistance of the board. Temperature limit. Using silica slab can not only meet the requirements of heat preservation and energy saving, but also prevent fire.

Specification:

Effective width: 1150mm
Thickness: 50mm – 100mm
Density: 60–100kg/m³ (according to customer requirements)
Length: Production according to user's needs and engineering requirements
Installation structure and application: splicing of mouthpiece

Features:

Fire protection level B
Flame retardant material, lightweight, quick installation, and thermal insulation.

Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



Polyurethane(PU) Cleanroom Panel



PU: PU is short for polyurethane, which is also called Urethane rubber or spring rubber. The full name is poly-urethane or isocyanate polymer. Polyurethane is elastomer between plastic and rubber with a unique combination of their excellent performances.

Specification:

Effective width: 1150mm Common
Thickness: 50mm – 100mm
Common density: 35–45kg/m³ (according to customer requirements)
Length: Production according to user's needs and engineering requirements
Installation structure and application: splicing of mouthpiece

Features:

Light weight: 10–14kg/m²
Good heat resisting: $\lambda = 0.0175$ kcal/m.h.OC. Strong integrative stiffness and excellent strength

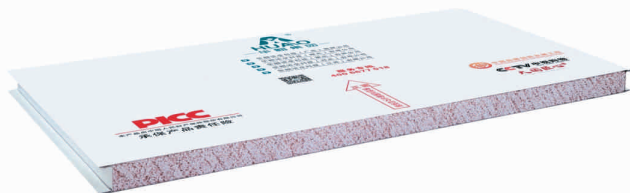


Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



Propor Cleanroom Panel



The new insulation material PROPOR (Bu Lao Foam) adopts particle fireproof isolation membrane technology, uses copolymerization modification to make EPS monomer particles have the same characteristics as fireproof materials, and uses microphase composite technology to form a fireproof isolation membrane on the surface of each organic particle, so that each particle forms a relatively independent organic particle fireproof unit. When encountering flames, it forms a continuous honeycomb structure that breaks heat and blocks the spread and penetration of flames, and prevents the occurrence of combustion. PROPOR (Bu Lao Foam) Class B fireproof insulation board can be combined with the actual construction situation according to the design characteristics and functional requirements of the project, and has strong operability. Bu Lao Foam is also called "real gold board". It is a new type of improved foam board with a core material fireproof Class B. It has insulation and heat insulation functions and is widely used in clean room partitions and ceilings that require insulation in electronics, food, beverages, etc. It is light in weight and easy to install.

Specification:

Effective width: 1150mm
Thickness: 50mm – 100mm
Density: 20–25kg/m³ (according to customer requirements)
Length: Production according to user's needs and engineering requirements
Installation structure and application: splicing of mouthpiece

Features:

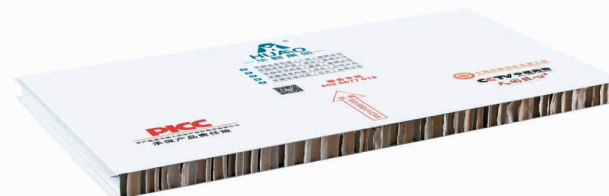
Fire prevention reaches level B
Lightweight, Fast installation, sound insulation and heat insulation.

Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



Paper Honeycomb Cleanroom Panel



Paper honeycomb purification board is a new type of high-tech building material, which has gradually replaced traditional composite sandwich panels such as rock wool, EPS, and PU. Paper honeycomb purification board has better performance than traditional sandwich panels: higher flame retardancy, lighter weight, stronger load-bearing capacity, better sound insulation, stronger environmental protection performance, etc. Paper honeycomb purification board has been widely used in clean building industries such as electronics, biology, food, pharmaceuticals, hospitals, and military, and is the preferred product for modern buildings.

Specification:

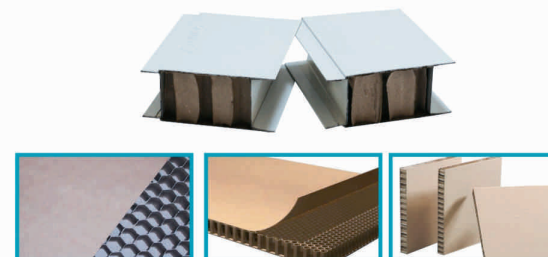
Effective width: 1150mm
Conventional Thickness: 50mm
Length: Production according to user's needs and engineering requirements
Installation requirements
Structure and application: splicing of mouthpiece

Features:

Cellular panel is kraft paper is processed to form hexagonal structure, according to the nature of honeycomb structure theory, which is the corrugated base paper with adhesive method. Connection into a hollow three-dimensional hexagon, form an integral part of the force. Both sides, the paper core, and in its adhesive and become a new kind of sandwich panel. The structure of the environmental protection an

Applications :

It is widely used in: Indoor and outdoor boards for purifying factory building, indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



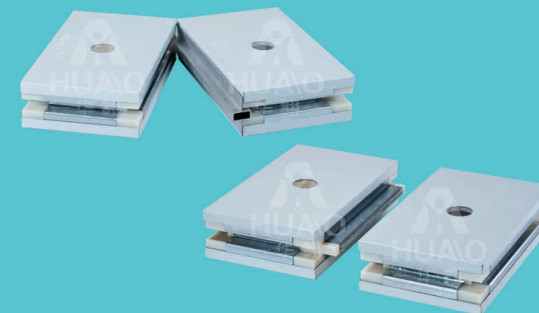


The manual purification board is an upgraded version of the ordinary machine-made board. It is a new type of reinforced composite sandwich panel designed and developed. The company introduced equipment from Taiwan to make the product highly accurate. The galvanized keel is used around the edges to enhance the bearing capacity of the product. It can also be customized according to the requirements of the buyer to reduce the basic engineering and structural costs of the building. Male and female or middle aluminum installation design can be selected. The construction is convenient and easy to disassemble and assemble. The overall effect is very significant. For some clean workshops with high requirements and high standards, manual boards are the best choice! The core material can be made of glass magnesium, rock wool, silica rock, non-aging foam, polyurethane, aluminum honeycomb, etc.

Handmade Panel Series

Applications :

Clean and purified workshops, hospitals, pharmaceutical factories with high requirements for fire prevention and good requirements for heat preservation. Indoor smallpox, walls and drinks in purification rooms such as electronics, biological research, food and beverage Slab for ceiling.



Rabbit joint type	Panels connecting aluminum profile
Regular thickness: 50mm	
Regular width: 150mm—1180mm	
Regular length: 1000mm—3000mm	
Regular core materials: MGO, rock wool, aluminum honeycomb, single side MGO rock wool, single side MGO aluminum honeycomb etc.	

Handmade Cleanroom Panel Standard



The standard handmade board uses high-quality color-coated steel plate as the surface layer, and the four sides are framed with galvanized keel frames. It adopts hand-made technology and can be filled with glass magnesium, rock wool, glass magnesium rock wool magnesium sulfate, aluminum honeycomb, paper honeycomb and other filling materials.

Specification:

Conventional thickness: 50mm, 75mm, 100mm
 Conventional width: 150mm-1180mm
 Conventional length: 1000mm-6000mm (length can be adjusted according to actual project requirements)

Available core materials: glass magnesium, rock wool, double-sided glass magnesium rock wool, single-sided glass magnesium rock wool, magnesium oxysulfide, aluminum honeycomb, paper honeycomb, silica rock, non-aging foam, polyurethane, etc.

Features:

The two sides of the handmade board are made of high-grade polyester painted steel plate, or galvanized steel plate, stainless steel plate, which has strong corrosion resistance. The core material is made of Class A flame retardant material (except paper honeycomb), which will not melt when burned, and will not produce high-temperature decomposition dripping. The handmade board is currently the highest-grade fireproof building decoration composite board in China, with high strength, impact resistance, high earthquake resistance and convenient construction.

Applications :

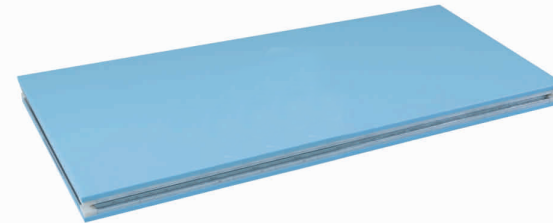
Widely used in: indoor and outdoor panels such as clean workshops with high fire protection requirements and good thermal insulation requirements, indoor partitions, etc. For example: indoor walls and ceiling panels in clean rooms in hospitals, pharmaceutical factories, electronics, biological research, beverages, etc.



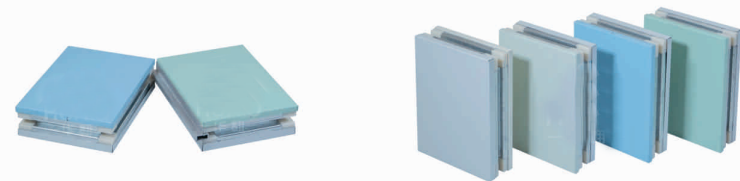
Handmade Cleanroom Panel Electrolysis



Decheng kunling



Electrolytic steel plate, special steel plate for operating room, the base plate is Baosteel plate, and the surface is high-voltage static powder without paint. Our company has developed a new type of electrolytic steel plate handmade plate, breaking the traditional hanging plate installation process, designed as a handmade plate type electrolytic steel plate handmade plate, with large internal angle, easy to install, low cost, diverse colors, and strong selectivity.



Specification:

Routine thickness: 50mmRoutine
Width: 150 mm-1180 mm
Thickness of common electrolytic steel plate: 1.0mm-1.2mmRoutine
Length: 1000mm-6000mm (Length can be adjusted according to actual project requirements)
Available Core Materials: Glass Magnesium, Rockwool, Aluminum Honeycomb, Single-sided Glass Magnesium Rockwool, Single-sided Glass Magnesium Aluminum HoneycombStructural
Installation: Aluminum connection with the word "Zhong" is adopted.

Features:

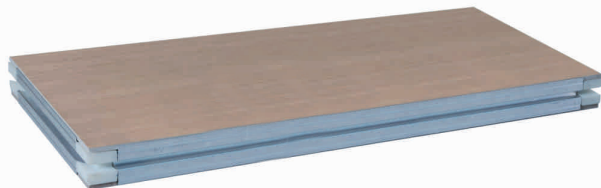
Fire-retardant, shock-resistant, sound-proof, moisture-proof and anti-bacterial. Beautiful, clean, energy-saving and environmental protection.

Panel color:

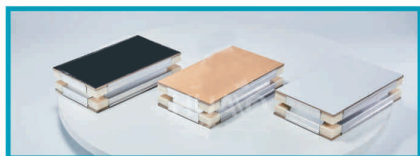
Various color coated panels are available for different function rooms. The effect is more warm.



Handmade Cleanroom Panel Inorganic Paint



Medical panels are made of double-sided colored composite panels and are made using handmade board technology. The composite panels have a variety of colors including wood grain, stone grain, and solid color. They are mainly used in partitions, passages, lobby walls and other areas in medical environments, and are designed for use in professional fields such as hospitals, laboratories, research institutes, and rehabilitation centers.



Specification:

Routine thickness: 50mmRoutine

Width: 1220 mm

Thickness of commonly used inorganic pre-coated plate: 4.5-5.5mm

Routine Length: 2400mm-3000mm (Length can be adjusted according to actual project requirements)

Available Core Material: Glass Magnesium Rock Wool, Rock WoolStructural

Installation: Aluminum connection with "Zhong" character is adopted.

Features:

1. It can satisfy the environment protection and health of the hospital.
2. Material fire prevention and waterproofing to improve the fire fighting capacity of hospitals;
3. Low water absorption, waterproof and moisture -proof. It can be applied in humid environment.
4. Effectively insulating and cooling the hospital.
5. Long service life;
6. The choice of color and pattern is

Panel color:

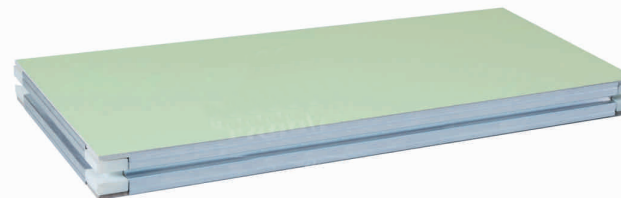
It is widely used in: Indoor and outdoor boards for purifying factory building, combined house and indoor partition with high level requirement in fire proofing and thermal insulation. E.g. Interior decoration of civil buildings for medicine, electronics, biology research, foodstuff, beverage etc.



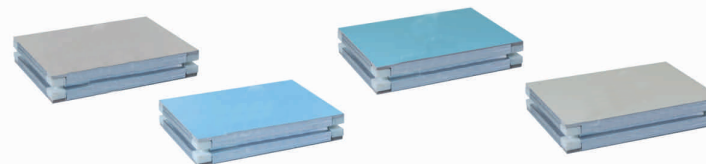
Inorganic Pre Coated Handmade Board



Dechong kunling



Inorganic pre-coated board is a new type of wall decoration material made of inorganic materials. The board is environmentally friendly, non-toxic, non-radioactive, and has good fire resistance, moisture resistance, mildew resistance, acid and alkali resistance and other characteristics. It can be used in passages, wards, pharmacies, medical rooms and other areas in medical environments, and is suitable for office buildings, shopping malls, schools, hospitals and other places.



Specification:

Routine thickness: 50mmRoutine

Width: 1220 mm

Thickness of commonly used inorganic pre-coated plate: 6mm

Routine Length: 2400mm-3000mm (Length can be adjusted according to actual project requirements)

Available Core Material: Glass Magnesium Rock Wool, Rock WoolStructural

Installation: Aluminum connection with "Zhong" character is adopted.

Features:

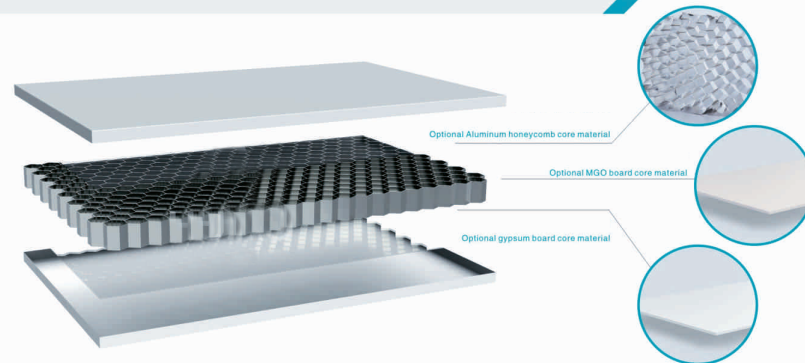
1. It can satisfy the environment protection and health of the hospital.
2. Material fire prevention and waterproofing to improve the fire fighting capacity of hospitals;
3. Low water absorption, waterproof and moisture -proof. It can be applied in humid environment.
4. Effectively insulating and cooling the hospital.
5. Long service life;
6. The choice of color and pattern is

Panel color:

A variety of color coating panels are available to choose from, and the application of different occasions and environments makes the working environment no longer a single color, and it is easier to distinguish the interval of functional areas.



Ceiling of Cleanroom Panel



The design load-bearing principle of aluminum honeycomb blind panels mainly depends on the structure of aluminum honeycomb panels. Aluminum honeycomb panels are a composite material composed of aluminum foil and honeycomb core material, which has high bending strength and shear strength. When subjected to force, aluminum honeycomb panels can effectively disperse the load and ensure the stability and safety of the entire structure. Aluminum honeycomb blind panels are widely used in building curtain walls, roofs, partitions and other structures.

Specification:

Regular length: 1170mm

Conventional width: 570mm, 1170mm.

Common thickness: 13mm

Tailored production according to user needs and engineering requirements.

Features:

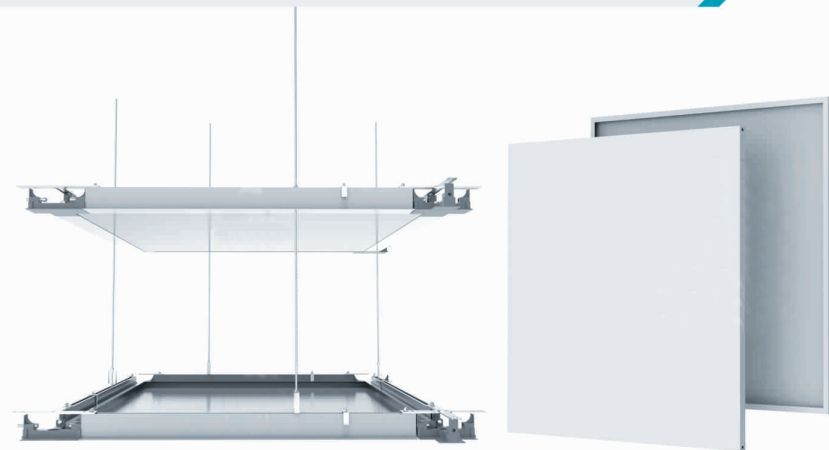
1. The structure features make it have high bending strength and shear strength, can withstand a larger load.
2. It has good heat preservation and sound insulation performance, and the heat preservation material in the middle can effectively block the heat and sound wave propagation.
3. Adopt plug-in installation, construction is simple and convenient, improve engineering efficiency.

Applications :

Widely applicable to: suspended ceilings in industrial plants and clean workshops.



Octagonal edge Ceiling of Cleanroom Panel



The 8-fold ceiling blind plate is a ceiling material made by 8-folding cold-rolled steel plate and spraying electrostatic powder. It has high strength, high bearing capacity, high precision, certain fireproof, waterproof and anti-corrosion properties, and is not easy to deform. Product surface: PE.PVDE, anti-static powder spraying.

Specification:

Regular length: 1170mm

Conventional width: 570mm, 1170mm.

Steel plate thickness: 1.5mm, 1.8mm, 2.0mm

Tailored production according to user needs and engineering requirements.

Features:

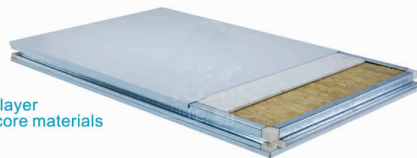
1. The structure features make it have high bending strength and shear strength, can withstand a larger load.
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Applications :

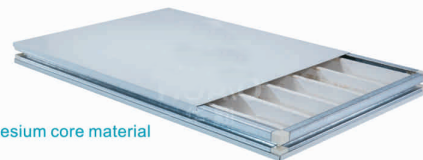
Widely applicable to: suspended ceilings in industrial plants and clean workshops.

Handmade Cleanroom Panel Core Material Combination

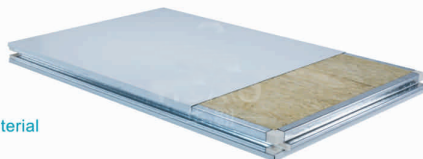
Single and double-layer
glass magnesium core materials



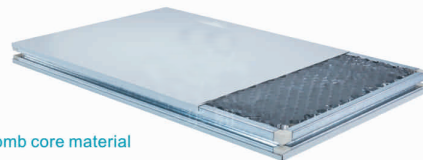
Hollow glass magnesium core material



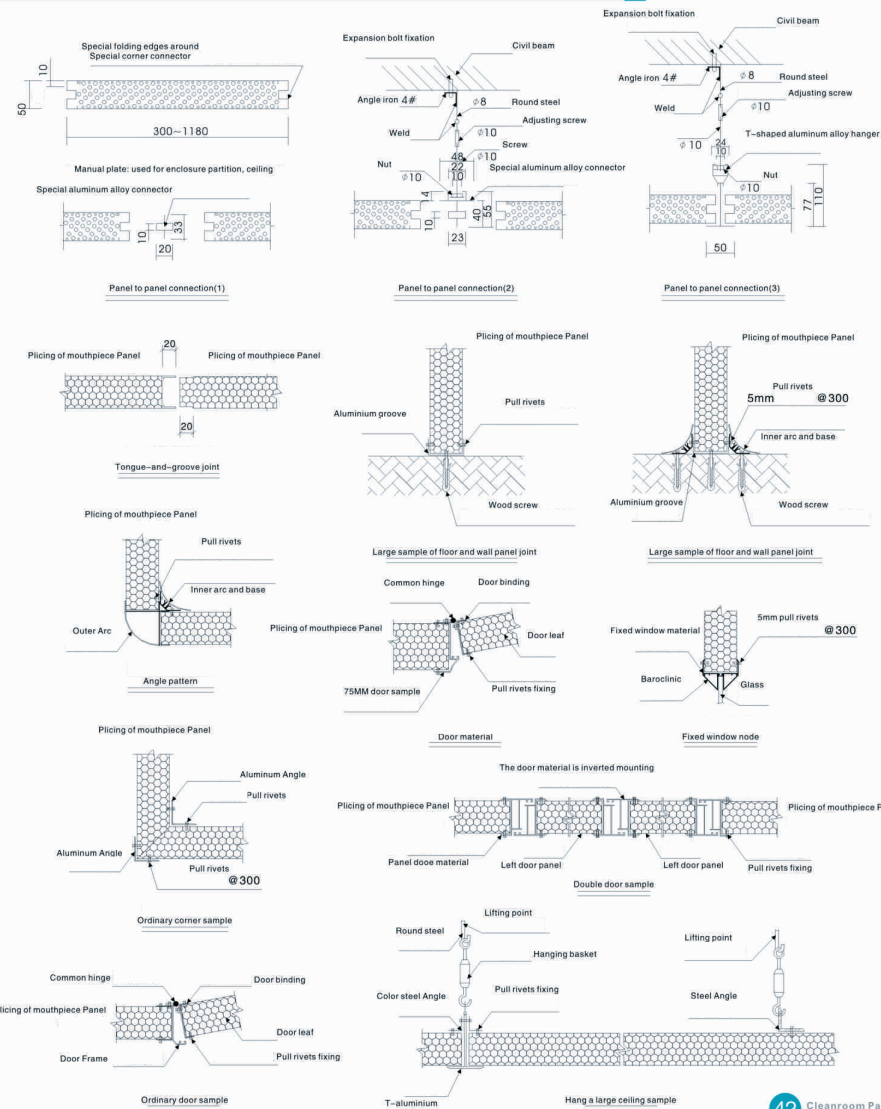
Rock wool core material



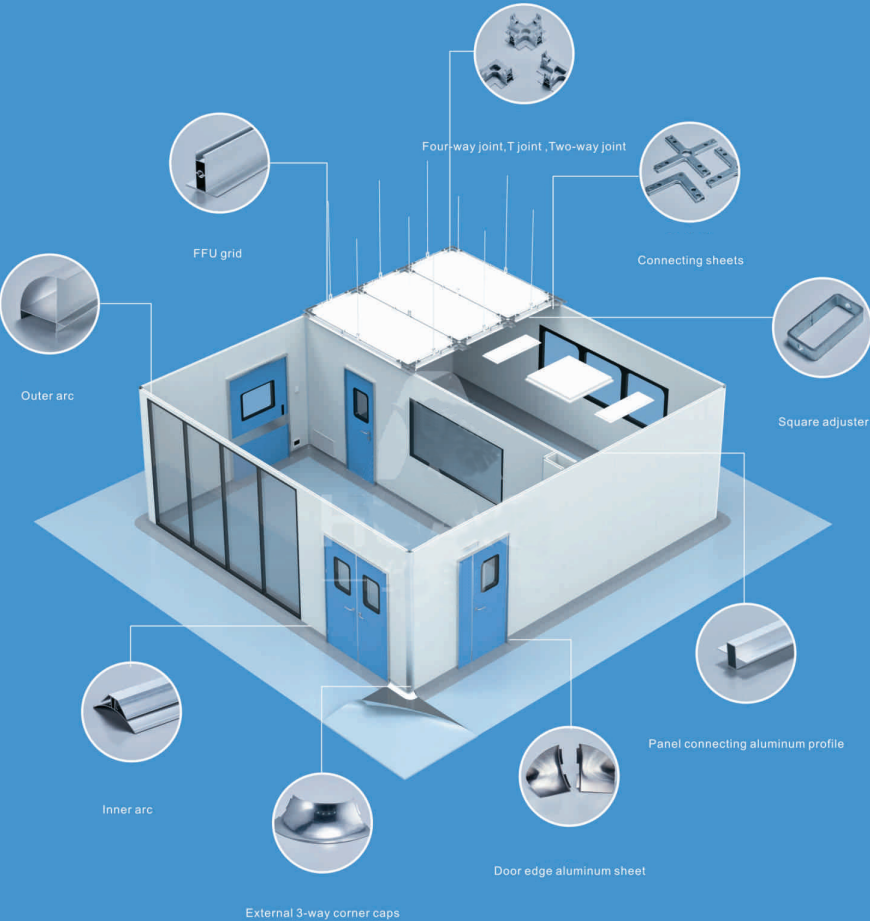
Aluminum honeycomb core material



Cleanroom Panel Construction Diagrams



Aluminum Profile Fittings



Aluminum profile fittings refer to the fittings needed for the partition and decoration of color steel plates in clean rooms. Aluminum groove, angle, outer arc, column, inner arc, door and window, T-beam, Chinese-type aluminum. There are also special aluminium materials developed for a new type of material.

Schematic diagram of spare parts application

