



洁净板材
洁净门窗
“智”造专家

“Intelligent” Manufacturing
Expert of Clean Room Panels,
Clean Room Doors and Windows



广东华翱洁净科技有限公司
GUANGDONG HUA AO CLEAN TECHNOLOGY CO.,LTD.

湖北华翱新型板业有限公司
HUBEI HUA AO NEW TYPE STEEL PANEL INDUSTRY CO.,LTD.

安徽华翱新型板业有限公司
ANHUI HUA AO NEW TYPE STEEL PANEL INDUSTRY CO.,LTD.

广州汇集净化设备有限公司
GUANGZHOU HUIJUN PURIFICATION EQUIPMENT CO.,LTD.

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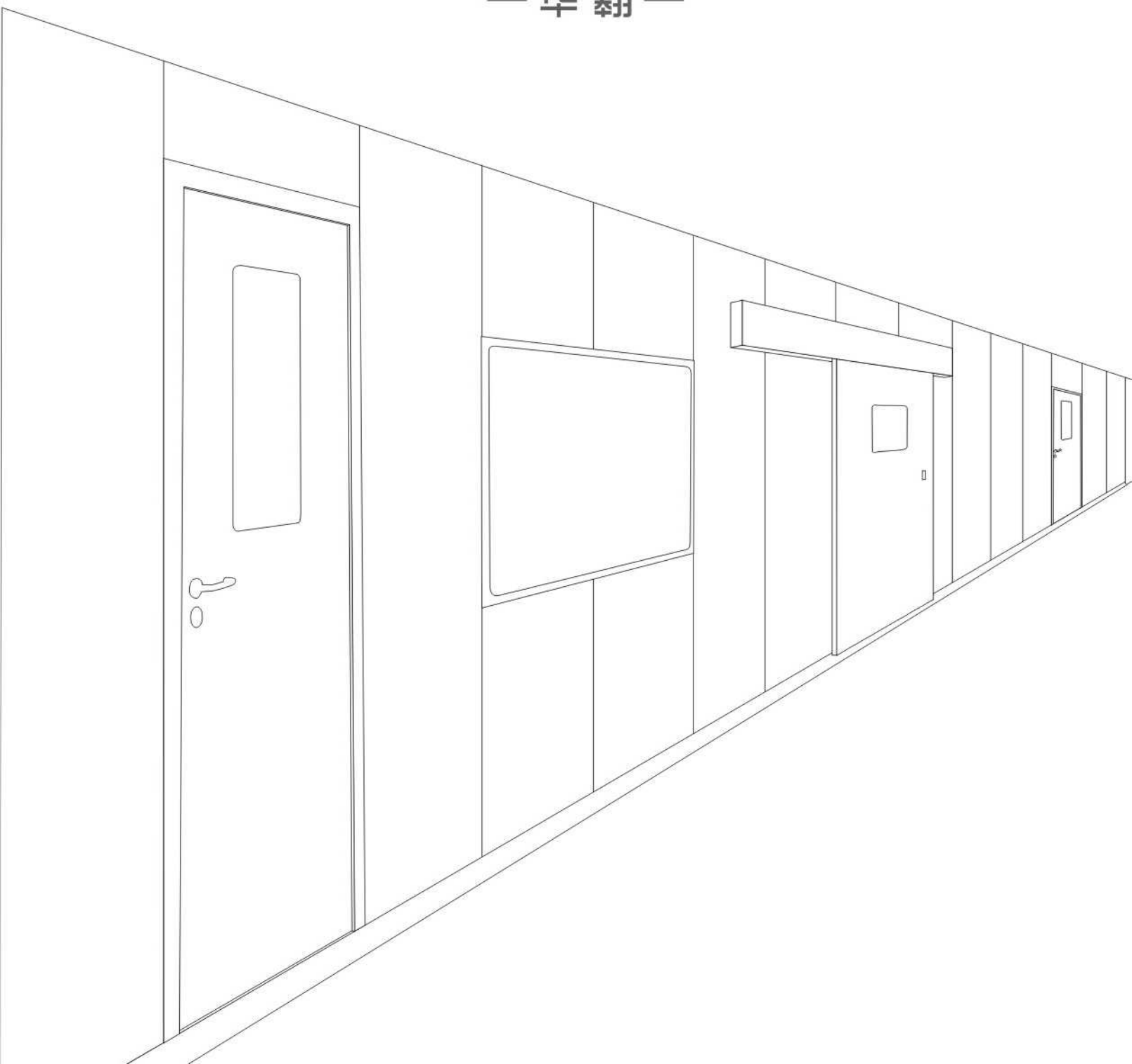
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National Huao

全国华翱



广东华翱洁净科技有限公司
GUANGDONG HUA AO CLEAN TECHNOLOGY CO., LTD.



广州汇集净化设备有限公司 GUANGZHOU HUIJUN PURIFICATION EQUIPMENT CO., LTD.

汇集科技与安全完美体现
一直被模仿，从未被超越！



汇集净化



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About us 关于我们

广东华翔洁净科技有限公司总部坐落于广东省佛山市，并在华中地区和华东地区设有分厂：湖北华翔新型板业有限公司坐落于湖北省孝感市云梦县；安徽华翔新型板业有限公司坐落于安徽省合肥市。为实现集团化运营、布局全国、走向世界奠定了坚实的基础。为提升产品的竞争力，华翔与玻镁板发明者强强联合成立广州汇集净化设备有限公司，采用独一无二的玻镁板特殊工艺，让科技与安全得到完美的体现。在业内，汇集产品一直被模仿，但从来没有被超越。

在保证原有生产水平的基础上，公司不断加大设备投入和技术创新的力度，全面引进国际领先的欧洲和台湾制造设备，提升产品的精密度，打造板材行业的“华翔品质”。公司通过ISO19001:2008质量管理体系认证，先后荣获“中国著名品牌”“广东省守合同重信用企业”“广东省名优产品”、“中国工程建设推荐产品”、“绿色环保首选产品”及多个行业协会颁发的“优秀供应商”等业界殊荣。华翔凭借工艺创新以及可靠的质量，在国内外净化行业中树立了良好的品牌形象，受到广大客户的青睐和认可。

荣誉面前，华翔人一如既往、奋力前行，积极完善产业链。在广东、湖北、安徽等地建立洁净门窗及技术合作基地，用华翔丰富的产品应用和服务经验，为客户提供更具价值的系统门窗应用解决方案。

华翔产品涵盖玻镁、岩棉、无机预涂手工板、电解板手工板等全类型净化板及洁净门窗、净化室铝材配件等多个品种，产品广泛应用于医院、药厂、电子厂、实验室、新能源、食品厂、饮料厂、化妆品等净化领域。同时拥有防返卤硫酸镁板、加强防脱落手工板、净化板开卷装置、纠偏系统等十几项国家“实用新型发明专利”，并通过了国家防火建筑材料质量监督检验中心的消防检测报告。

华翔拥有300多名技术精湛的生产员工与自我要求严格的质检团队及有担当的四大事业部团队，拥有行业内先进的台湾设备。华翔践行“诚信、勤勉、合作、创新”的企业文化，遵循“质量第一、信用第一、服务第一”的原则，秉持“为客户提供最满意的产品与最好的服务”的经营理念，致力于发展产品&服务的持续发展&创新，并与多家研发中心紧密联系。

华翔致力于洁净板材和洁净门窗的“智”造，为中国模块化洁净室而努力奋斗。

洁净板材、洁净门窗“智”造专家！

Guangdong Huaao Clean Technology Co., Ltd. is headquartered in Foshan City, Guangdong Province, and has branches in Central and Eastern China: Hubei Huaao New Type Steel Panel Industry Co., Ltd. is located in Yunmeng County, Xiaogan City, Hubei Province; Anhui Huaao New Type Steel Panel Industry Co., Ltd. is located in Hefei City, Anhui Province. These have laid a solid foundation for group operation and establishment of national and worldwide network. In order to enhance the competitiveness of products, Huaao and the inventor of magnesium board jointly set up Guangzhou Huijun Purification Equipment Co., Ltd. Using a unique magnesium board special process to make technology and safety perfectly reflected. In the industry, Huijun products have been imitated, but never surpassed.

On the basis of guaranteeing the original production level, the company continuously strengthens the investment in equipment and technological innovation, comprehensively introduces the international leading manufacturing equipment in Europe and Taiwan, improves the precision of products, and builds the "Huaao quality" of the steel panel industry. Through ISO19001:2008 quality management system certification, the company has been awarded the honors of "China Famous Brand", "Guangdong Contract-abiding and Credit-abiding Enterprise", "Guangdong Famous and Excellent Products", "China Construction Recommended Products", "Green Environmental Protection Preferred Products" and "Excellent Suppliers" awarded by many industry associations. With technological innovation and reliable quality, Huaao has established a good brand image in the purification industry at home and abroad, and is favored and recognized by large number of customers.

In the face of honor, Huaao people, as always, strive to move forward and actively improve the industrial chain. Huaao establishes clean doors and windows technical cooperation base in Guangdong, Hubei, Anhui provinces and other places, with Huaao's rich product application and service experience, to provide customers with more valuable application solutions for doors and windows systems.

Huaao products cover all types of clean room panels, such as magnesium, rock wool, inorganic pre-coated manual boards, electrolytic manual boards, clean room doors and windows, clean room aluminum profiles and many other varieties. The products are widely used in hospitals, pharmaceutical factories, electronic factories, laboratories, new energy, food factories, beverage factories, cosmetics and other purification fields. At the same time, Huaao has more than ten national "utility model invention patents" such as anti-halogen magnesium sulfate board, strengthening anti-falling manual board, decoiling device of clean room panel and rectifying deviation system etc, and passed the fire detection report of the National Fire Protection Building Material Quality Supervision and Inspection Center.

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Huaao has more than 300 skilled production staff and self-demanding strict quality inspection team, as well as four major business teams, with advanced Taiwan equipments in the industry. Huaao practices the corporate culture of "honesty, diligence, cooperation, innovation", follows the principle of "quality first, credit first, service first", upholds the business purpose of "providing customers with the most satisfactory products and services", devotes itself to the sustainable development and innovation of products and services, and keep close contact with many R&D centers.

Huaao devotes itself to the "intelligent" manufacture of clean room panels, clean room doors and windows, and strives for modular clean rooms in China.

"Intelligent" Manufacturing Expert of Clean Room Panels, Clean Room Doors and Windows

四敢精神 Four Senses Spirit



敢想
Dare to think

敢拼
Dare to fight

敢做
Dare to create

敢梦
Dare to dream

COMPANY CULTURE 企业文化

企业精神

[诚信 勤勉 合作 创新]

诚信：信守承诺，用心做好每一件事

勤勉：勤奋努力，脚踏实地，不畏艰辛，锲而不舍

合作：对内倡导沟通，对外主张互惠，营造和谐、协调的氛围

创新：不断学习，不断超越，博采众长，迎接挑战

Spirit of enterprise

[good faith, diligence, cooperation and innovation]

Good faith: Abiding by the commitment, and doing everything with great care

Diligence: Working hard, being down-to-earth, not avoiding hardships, and working with perseverance

Cooperation: Advocating communication internally, stressing mutual benefit externally, and creating a harmonious and well-coordinated atmosphere

Innovation: Constant learning, constant transcending, adopting the merits of every individual and meeting the new challenge

研发与创新

华翱净化坚持以新技术、新材料、新工艺不断提升产品品质，我们拥有经验丰富的高技术研发人才和制造工人，通过十余年的实践，建立了一整套从制作工艺、内部结构到人性科技的全程创新管理模式，确保产品处于行业前沿。

R&D and Innovation

Huaao Purification insists on continuously improving product quality with new technology, new material and new technology. Having experienced high-tech R&D personnel and manufacturing workers, through more than ten years of practice, Established a set of innovative management from production technology, internal structure to human science and technology Type, to ensure that products are at the forefront of the industry.

Quality Management 质量体系认证 Certificate

HuaAo company always uphold the "good steel made good material, good material more safe" business philosophy;
The ISO 9001:2015 quality management system certification;
The product accords with national insulation sandwich board after inspection standard;
The product conforms to the national fire protection building materials after inspection standard

华翱公司一直秉持“质量第一、信用第一、服务第一”的经营理念；
通过ISO 9001: 2015质量管理体系认证；
产品经检验符合国家绝热夹芯板标准；
产品经检验符合国家防火建材标准



Corporate objectives

企业目标

致力于洁净板材与洁净门窗的“智”造；为中国模块块洁净室而努力奋斗！

Committed to clean board and clean doors and windows of the "wisdom" manufacturing; for the Chinese module clean room and strive hard!

Enterprise 企业荣誉 Honors



Test 检测报告 Report



Quality Control

质量监控



专业成就卓越，华翱净化板，二十余载对品质不断地追求，从细节出发，体贴客户不同的需求；站在专业的角度，完成自我的优化，对品质的坚持，是华翱矢志不渝地对客户的承诺。

Professional achievement is outstanding, HuaAo sandwich board, twenty more years of constant pursuit of quality, starting from the details, and considerate customer different needs; Standing in the professional point of view, complete optimization of the self, to adhere to the quality, is HuaAo vector ambition, commitment to customers.

Bearing The Weight Test

承重测试

华翱公司生产的一块3米长玻镁净化板，经得起十一人的站立且不变形，再一次印证了华翱公司夹芯板是真正经得起千锤百炼的好产品。

Hua Ao company production of a 3 meter long glass magnesium purification board stand up to eleven and deformation, once again confirm the HuaAo company sandwich plate is a good product to withstand dental laboratories.



Viscose Performance Test

粘胶性能测试

华翱公司与研发中心共同研发的玻镁板胶水，使玻镁板与彩钢板的粘接强度极高，每个剥离面的粘接面积 $\geq 95\%$ 。

HuaAo company with research and development center to develop glass magnesium board glue, glassMagnesium plate and choi steel's high bond strength and each detachment bonded area below 95% or higher.



Four Business Departments

四大事业部

玻镁板事业部

手工板事业部

机制板事业部

洁净门窗事业部





台湾设备
Taiwan Equipment



Advanced Equipment 先进设备

华翱公司在引进先进的台湾设备和欧洲设备的同时，更以高薪的定位引入生产技术的人才，在保障产品质量的同时，生产的效率也得到显著的提升，赢得了客户的赞誉声和不断的订单。

While introducing advanced Taiwanese and European equipment, Huao has introduced talents of production technology with high salary. While ensuring product quality, Huao's production efficiency has also been significantly improved, which has won the praise of customers and continuous orders.



欧洲设备
European Equipment

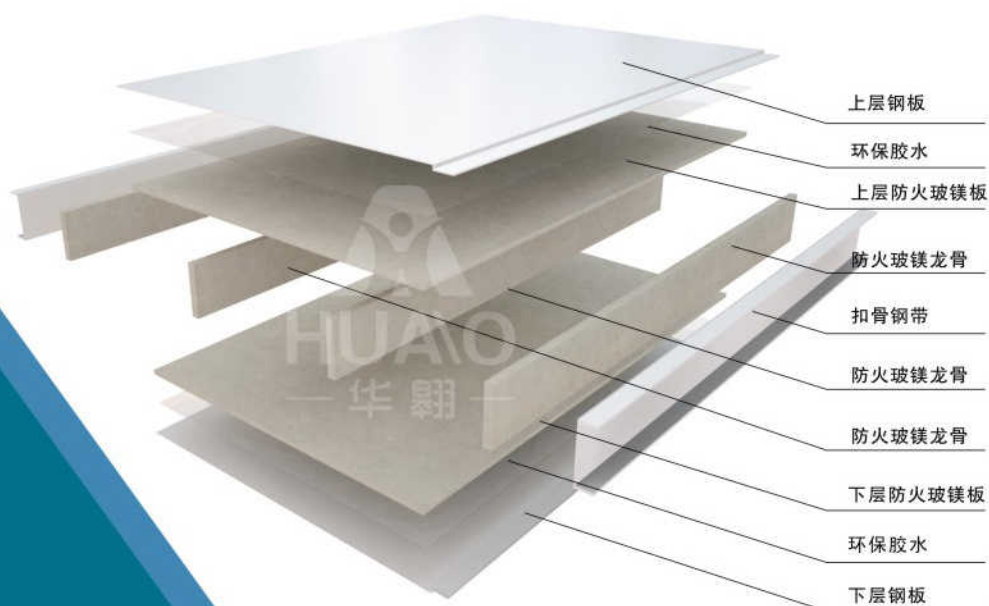




Panels series 机制板系列 of machine building

机制板是由镀锌或彩涂板为面层（两层）及高强度粘合剂，通过高速连续自动化成型加温、加压复合，经过修边、开槽、下料而成的新一代建筑装潢板材，具有保温隔热、安装便捷的特点。其芯材可采用玻镁、岩棉、泡沫、硅岩、不老泡、聚氨酯、纸蜂窝、铝蜂窝等。

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.



应用：

广泛适用于：防火要求高及保温要求好的净化洁净厂房、室内间隔等室内外用板。如：医院、药厂、电子、生物研究、食品、饮料等净化间的室内墙体与吊顶用板。

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 Purification Panel 玻璃镁净化板

中空玻璃镁板芯材A级防火材料，是目前复合板中高等高级的防火材料，满足消防要求。“硫酸镁”玻璃镁板更是完美取代原“氯化镁”玻璃镁板，解决因氯离子释放引起的腐蚀钢板及铝合金的返卤现象。产品具有高强度、高承载、耐冲击、耐高温、安装快捷、美观等特点。

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.



Huijun Magnesium Purification Panel 汇集中空玻璃镁净化板

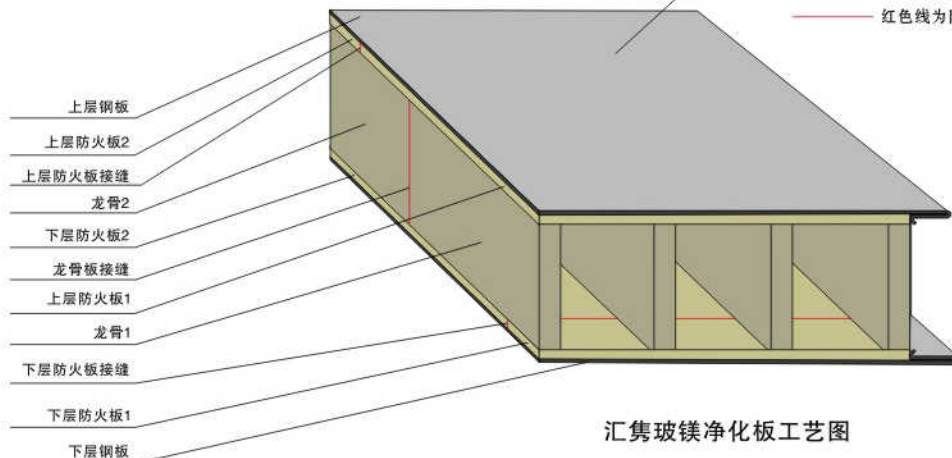
拥有国家专利（专利号ZL 2004 1 0027771 6）的汇集玻璃镁板在保留原玻璃镁板的特性优点外，更是从技术工艺突破创新。采用独一无二的特殊工艺，复合板一次成型，夹芯材料错位拼接，上下5mm面板错位，玻璃镁筋条错位摆放，受力均匀，加强玻璃镁板的承载力及芯材接头的平整度。

The Huijun Magnesium Glass Plate with the national patent (patent No. ZL 2004 100277716) not only retains the advantages of the original Magnesium Glass Plate, but also breaks through and innovates in technology and technology. With unique special technology, the composite plate is formed at one time, the sandwich material is dislocated and spliced, the upper and lower 5mm panel is dislocated, the glass-magnesium ribs are misplaced, the force is uniform, and the bearing capacity of the glass-magnesium plate and the flatness of the core joint are strengthened.

独一无二的特殊工艺

复合板一次成型，夹芯材料错位拼接，
受力均匀高抗弯强度为 1.14kw/m^2

— 红色线为防火板的拼接缝



汇集玻璃镁净化板工艺图

参数:

有效宽度: 1150mm
 厚度: 50mm—125mm
 长度: 按用户需要及工程要求而定尺生产
 芯材: 中空玻镁、玻镁岩棉、玻镁铝蜂窝、玻镁纸蜂窝。
 安装结构及用途: 企口型拼接

Specification:

Effective width: 1150mm
 Thickness: 50mm---125mm (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: Rabbet joint.

特性:

防火: 60分钟
 高密度, 耐高温, 承载力强

Features:

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



面板色彩:

多种颜色涂层面板可供选择, 应用不同场合环境搭配, 令工作环境不再单一色彩化, 更显温馨效果, 更易区分功能性区域的间隔。

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.





Rock Wool Purification Panel 岩棉净化板

适用于对防火有较高要求的工程。岩棉纤维垂直于金属面板，高密度条状岩棉沿板长方向交错布置，保证了岩棉净化板具有良好的承载能力。岩棉夹芯板对噪声传达有显著的削减作用，特别适用对隔声有较高要求的地方。采用A级防火岩棉，更具备良好的隔音、隔热效果。

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.



参数:

有效宽度: 1150mm
厚度: 50mm—125mm。
密度: 60 - 140kg/m³
长度: 按用户需要及工程要求而定尺生产
安装结构及用途: 企口型拼接

Specification:

Effective width: 1150mm
Thickness: 50mm - 125mm.
Density: 60-140 kg/m³
Length: Production according to user's needs and engineering requirements
Installation structure and application: splicing of mouthpiece

特性:

防火: 60分钟
隔音: 符合ISO 717/82 & UNI18270/7标准, 尤其适用于隔音要求高的环境。

Features:

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

应用：

广泛适用于：防火要求高及保温要求好的净化洁净厂房、室内间隔等室内外用板。如：医院、药厂、电子、生物研究、食品、饮料等净化间的室内墙体与吊顶用板。

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 Rock Wool Purification Panel 玻镁岩棉净化板

在中空玻镁板中加入岩棉芯材，令防火性能更加提升，主要适用于对防火要求更高的工程。同时岩棉具备隔音隔热的效果，使整体更具防火、隔音、隔热功能。

Rockwool core material is added to the hollow magnesium plate to improve the fire resistance performance, which is mainly suitable for projects with higher requirements for fire prevention. At the same time, rock wool has the effect of sound insulation and heat insulation, making the whole more fire-proof, sound insulation and heat insulation functions.

参数:

有效宽度: 1150mm

厚度: 50mm—125mm

岩棉密度: 60 - 140kg/m³

长度: 按用户需要及工程要求而定尺生产

芯材: 玻镁填充岩棉。

安装结构及用途: 企口型拼接

Specification:

Effective width: 1150mm

Thickness: 50mm - 125mm.

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

Tongue & Groove Type 企口型



1150mm width -Shapes 型号

HA-MG-TG1150/50

Length :As per requirement considering the transportation constraints.

长度: 根据运输限制要求

特性：

防火：120分钟
高密度，耐高温，隔音、隔热。

Features:

Fire Proof: 120 minutes
High density, high temperature resistance,
sound insulation and heat insulation.





Magnesium Oxysulfide Purification Panel 硫氧镁净化板

硫氧镁防火保温板（俗称中空硫氧镁板）是彩钢净化板专用芯材，由硫酸镁、氧化镁等材料，采用层压法，压制成型后养护而成。是一种绿色、环保的新型净化保温产品。它与其它类型的彩钢板芯材相比，具有防火、防水、保温、抗折、隔热、隔音、无毒和质轻、外观整齐，弥补了目前市场上一些彩钢净化板芯材的不足，如：强度、抗弯、承载力、保温效果，特别适合于针对特定地域性的一些室内外隔墙及吊顶。

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.

参数:

有效宽度: 1150mm
 常用厚度: 50mm—100mm。
 常用密度: 220kg/m³ (按客户要求)
 长度: 按用户需要及工程要求而定尺生产
 安装结构及用途: 企口型拼接

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



特点：

防火A1级，具有高强度、平整度好、保温隔热、防水防潮、隔音等产品独特特性。

Features:

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





Propor Purification Panel 不老泡净化板

新型保温材料PROPOR（不老泡）采用颗粒防火隔离膜技术，运用共聚改性使EPS单体颗粒具有与防火物质相同的特性，并运用微相复合技术在每个有机颗粒表面形成防火隔离膜，使每一个颗粒形成相对独立的有机颗粒防火单元。遇火焰形成断热阻隔连续蜂窝状结构，阻隔火焰传播和穿透，杜绝燃烧的发生。PROPOR（不老泡）A级防火保温板可根据工程的设计特点、功能要求，与施工实际情况相结合，可操作性强。不老泡也称为“真金板”，属于新型的改良性泡沫板，芯材防火A2级。具备保温、隔热功能，广泛应用于电子、食品、饮料等对保温有要求的洁净室隔墙及吊顶。其自身重量较轻，便于安装。

Rock wool Sandwich Panel is applicable to project with fairly high demand upon fire protection. The rock wool fibers plumb to the color steel plates. High density strip rock wool crisscross with the length of the color steel plates. All of this guaranteed the rock wool sandwich panel have a good bearing capability.



特性:

防火达到A2级
自重轻，安装快捷、隔音隔热

Features:

Fire protection up to level A2 Light weight,
fast installation, sound insulation and heat insulation

参数:

有效宽度: 1150mm
厚度: 50mm—125mm。
密度: 20 - 25kg/m³ (按客户要求)
长度: 按用户需要及工程要求而定尺生产
安装结构及用途: 企口型拼接

Specification:

Effective width: 1150mm
Thickness: 50mm - 125mm.
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





Rock Wool Purification Panel 硅岩净化板

硅岩净化板主要以聚苯乙烯为原料制成,而聚苯乙烯原本就是很好的低导热原料,再辅以挤塑而出,形成紧密的蜂窝结构,从而有效地阻止了热传导,具有高热阻、低线性膨胀率的特性。与岩棉板的区别主要在于板材的耐温、导热系数以及耐温极限上。使用硅岩净化板既能够满足保温节能要求,又能防止火灾发生。

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.



特性:

防火A2级

阻燃材料,自重轻,安装快捷,保温。

Features:

Fire prevention level A2 Flame

retardant material, light weight, fast installation, heat preservation.

参数:

有效宽度: 1150mm

厚度: 50mm—125mm。

密度: 60—100kg/m³ (按客户要求)

长度: 按用户需要及工程要求而定尺生产

安装结构及用途: 企口型拼接

Specification:

Effective width: 1150mm

Thickness: 50mm—125mm

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



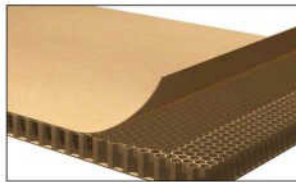
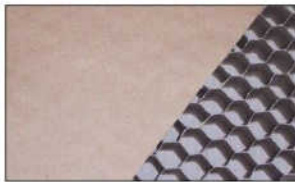


Paper Honeycomb Purification Panel 纸蜂窝净化板

纸蜂窝净化板是一种新型的高科技建筑材料,目前已逐渐替代岩棉、EPS、PU等传统复合夹芯板。纸蜂窝净化板具有比传统夹芯板更优越的性能:更高的阻燃性,自重更轻,承重能力更强,隔音效果更好,环保性能更强等。纸蜂窝净化板已被广泛用于电子,生物,食品,制药,医院,军事等洁净建筑行业,是现代建筑的首选产品。

Carbon honeycomb board is a new high-tech building material, which has gradually replaced the traditional composite clips such as rock wool, EPS, PU and so on. Core plate. The honeycomb board has better performance than the traditional sandwich board: higher flame retardancy, lighter self-weight and stronger load-bearing capacity. The sound insulation effect is better and the environmental protection performance is stronger. Carbon honeycomb board has been widely used in electronic, biological, food, pharmaceutical, hospital, military cleaning, etc. Net construction industry is the preferred product of modern architecture.

Paper Honeycomb Core material 纸蜂窝芯材



参数:

有效宽度: 1150mm
 常规厚度: 50mm
 长度: 按用户需要及工程要求而定尺生产
 安装结构及用途: 企口型拼接

Specification:

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

特性:

纸蜂窝板是牛皮纸经加工形成正六角形结构,根据自然界蜂巢结构原理制作的,它是把瓦楞原纸用胶粘结方法连接成无数个空心立体正六边形,形成一个整体的受力件——纸芯,并在其两面粘面板而成的一种新型夹层结构的节能环保材料。

Features:

Cellular panel is kraft paper is processed to form hexagonal structure, according to the nature 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 and energy saving materials.



Polyurethane(PU) Purification Panel 聚氨酯(PU)净化板

PU (聚氨酯) 英文名称:Polyurethane, 简称PU。中文名称聚氨酯, 俗称优力胶、弹簧胶、全称为: 聚氨基甲酸酯或异氰酸酯聚合物。聚氨酯是一种介于塑料和橡胶之间的弹性体, 其优异独特的综合性能是普通的塑料和橡胶所不具备的。

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.



特点:

重量轻: 10-14kg/m²

保温隔热性好: $\lambda=0.0175$ 千卡/米.时.度, 整体
刚度好、承载力高。

Features:

Light weight: 10-14kg/m².

Good heat resisting: $\lambda=0.0175$ kcal/m.h.°C. Strong
integrative stiffness and excellent strength

参数:

有效宽度: 1150mm

常用厚度: 50mm-125mm。

常用密度: 35-45kg/m³ (按客户要求)

长度: 按用户需要及工程要求而定尺生产

安装结构及用途: 企口型拼接

Specification:

Effective width: 1150mm Common

Thickness: 50mm - 125mm.

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

特性:

聚氨酯弹性体具有耐磨耗、耐化学腐蚀、抗张强度高、高弹性、耐高压荷重、耐磨耗、强度高、吸震性强、耐撕裂, 耐辐射, 高强度, 高承载和减震缓冲等良好性能。同时具有较宽的硬度范围。

Characteristics:

Anti-abrasion, anti-chemical corrosion, strong tension, high elasticity, high press resistance, stable, anti-tearing, anti-radiation, good strength, excellent load bearing and reducing shock on surface, as well as wide range of hardness.





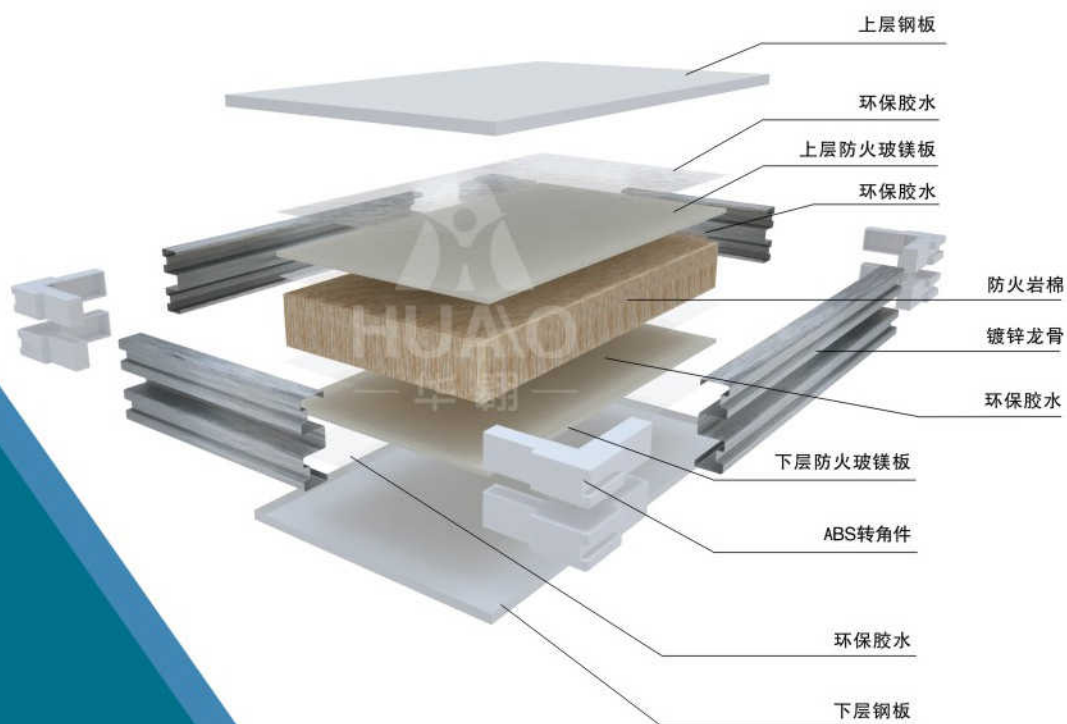
Handicraft Panel 手工板系列

手工夹芯板是普通机制板的升级版，是研发设计的一种新型的加强型复合夹芯板。公司引进台湾设备，使产品精准度高，四周采用镀锌龙骨包边，增强产品的承重力。并可根据需求方要求非标定制，减少建筑物的基础工程和结构费用，可选用公母口或中字铝安装设计，施工方便，且易拆装，整体效果十分显著。对一些高要求、高标准设计的洁净厂房，手工板为最佳选择！

其芯材可采用岩棉、硅岩、不老泡、聚氨酯、铝蜂窝等。

Manual sandwich board is an upgraded version of ordinary machine-made board, which is aimed at the strength of machine-made board. A kind of reinforced composite sandwich board was developed and designed for its weakness and poor viscose. company Imported Taiwan equipment, convenient products with high precision, galvanized keel around the edge, increase The bearing capacity of strong products. And can be customized according to the requirements of the demand side, reducing the number of buildings. Infrastructure and structural costs, optional male and female ports or Chinese-character aluminum installation design, construction Convenient, easy to disassemble and assemble, the overall effect is very remarkable. For some high requirements, high standards Designed clean workshop, manual board is the best choice!

Its core material can be rock wool, silica, non-aging foam, polyurethane, aluminum honeycomb, etc.



应用：

防火要求高及保温要求好的净化洁净厂房、医院、药厂、电子、生物研究、食品、饮料等净化间的室内天花、墙体和吊顶用板。

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.



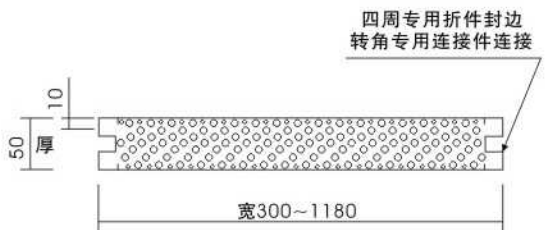
Handicraft Purification Panel Standard 标准型手工净化板

采用优质彩色涂层钢板为面层，内填充玻镁、岩棉、玻镁岩棉、硫氧镁、铝蜂窝、纸蜂窝等可填充材料。采用手工制作工艺，四面加框选用镀锌龙骨框，其承载力、平整度、密封性更适用于高洁净区域需求。
High quality color coated steel plate is used as surface layer, which is filled with glass-magnesium, rock wool, glass-magnesium wool, magnesium oxysulfide, aluminum honeycomb, paper honeycomb and other fillable materials. The galvanized keel frame is used in all sides of the frame. Its bearing capacity, smoothness and sealability are more suitable for the needs of high clean areas.

1180型



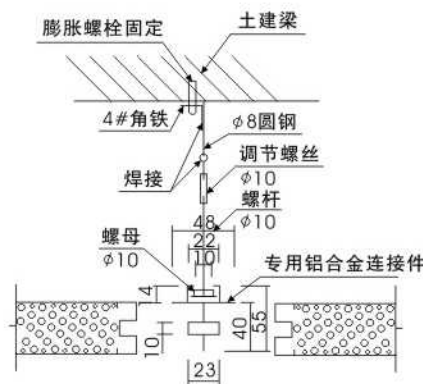
1170加强防脱落型



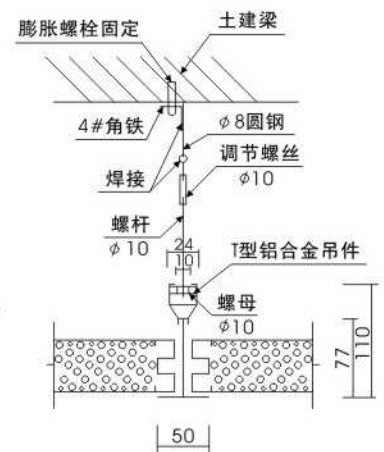
手工板（中字形）：用于围护隔断、吊顶



板与板连接（1）



板与板连接（2）



板与板连接（3）

特性:

手工板两面面板采用高级聚酯烤漆彩钢板, 或者选用镀锌钢板、不锈钢板, 其具有较强的耐腐蚀性。芯材采用A级阻燃材料(纸蜂窝除外), 其燃烧时不会熔化, 也不会产生高温分解滴落物, 手工板为目前国内高等级的防火建筑装饰复合板材, 具有强度高、耐冲击、抗震性能高及施工方便等特点。

Features:

Characteristics: Handicraft panel has high corrosion resistance, as it uses PET color-coating steel sheet as surface, (galvanized sheet, stainless steel sheet can be other options). Core material is A grade fire-resistant materials (except cellular honeycomb), it will be neither melt nor breakdown droppings when burning. Handicraft panel is an excellent fire-proof building and decoration composite materials till now, with its high strength, high impact-resistant, earthquake-resistant and convenient assemble.

参数:

常规厚度: 50mm、75mm、100mm
 常规宽度: 150mm - 1180mm
 常规长度: 1000mm-6000mm (长度可根据实际项目需求调整)
 可用芯材: 玻镁、岩棉、双面玻镁岩棉、单面玻镁岩棉、硫氧镁、铝蜂窝、纸蜂窝、硅岩、不老泡、聚氨酯等。

Specification:

Routine thickness: 50mmRoutine、75mmRoutine、100mmRoutine
 width: 150 mm-1180 mmRoutine
 Length: 1000mm-6000mm (Length can be adjusted according to actual project requirements)Available cores: glass-magnesium, rock wool, double-sided glass-magnesium wool, single-sided glass-magnesium wool, magnesium oxysulfide, Aluminum honeycomb, paper honeycomb, silica rock, non-aging foam, polyurethane, etc.





Handicraft Purification Panel Electrolysis 电解板手工净化板

电解钢板，手术室专用钢板，基板为宝钢板，饰面为高压静电粉末烤漆。我司研发新型电解钢板手工板，打破传统挂板式安装工艺，设计为手工板型的电解钢板手工板，配合大阴角，安装方便、成本低，颜色多样，可选择性强。

Electrolytic steel plate, special steel plate for operating room, base plate for Baosteel, high voltage electrostatic powder paint for decoration. Our company develops new electrolytic steel plate manual plate, breaking the traditional hanging plate installation process, designed manual plate electrolytic steel plate manual plate, with large Yin and Yang angle, easy installation, low cost, diverse colors, strong selectivity.



参数：

常规厚度：50mm

常规宽度：150mm—1180mm

常用电解钢板厚度：1.0mm—1.2mm

常规长度：1000mm—6000mm（长度可根据实际项目需求调整）

可用芯材：玻镁、岩棉、铝蜂窝、单面玻镁岩棉、单面玻镁铝蜂窝

结构安装：采用“中”字铝连接/公母口连接。

Specification:

Routine thickness: 50mm

width: 150 mm-1180 mm

Thickness of common electrolytic steel plate: 1.0mm-1.2mm

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 Honeycomb

Installation: Aluminum connection with the word "Zhong" is adopted.

特性:

防火阻燃、抗震隔音、防潮、抗菌、
美观整洁、节能环保。

Features:

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



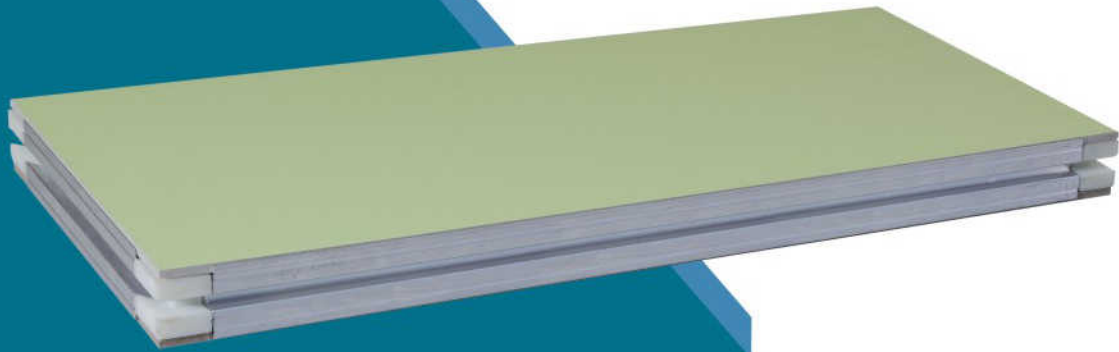
面板色彩:

多种颜色涂层面板可供选择，应用于不同的功能室，
效果更显温馨。

Panel color :

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





Handicraft Purification Panel Inorganic Paint 无机预涂板手工净化板

现有的彩钢夹芯板已无法正常满足医院及其它洁净室的装饰要求，开始在公共区域逐步使用无机预涂板做为装饰材料。无机预涂板，又称为医院洁净抗菌板，基材：采用无石棉纤维增强硅酸钙板，绿色环保。涂层：UV紫外光固化涂料，无机抗菌材料、有机纳米抗菌材料。但传统挂板安装工艺，操作复杂，费时、费力。华翱新型无机预涂手工板，采用“中”字铝连接方式，方便快捷。

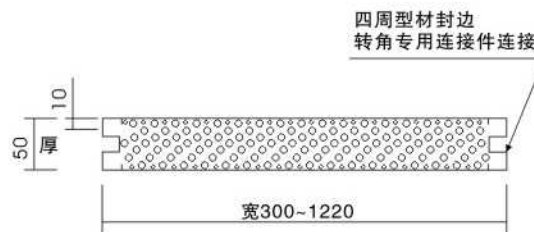
The existing color steel sandwich panels can not meet the decorative requirements of hospitals and other clean rooms. Inorganic pre-coated panels are gradually used as decorative materials in public areas. Inorganic pre-coated board, also known as hospital clean antimicrobial board, base material: asbestos-free fiber reinforced calcium silicate board, green environmental protection. Coatings: UV-UV curable coatings, inorganic antimicrobial materials, organic Nano-bacterial materials. However, the installation process of traditional hanging plate is complex, time-consuming and laborious. Huaao's new inorganic pre-coated manual board adopts the "middle" aluminum connection mode, which is convenient and fast.

参数：

常规厚度：50mm
 常规宽度：1220mm
 常用无机预涂板厚度：6mm
 常规长度：2400mm-3000mm（长度可根据实际项目需求调整）
 可用芯材：玻镁岩棉、岩棉
 结构安装：采用“中”字铝连接。

Specification:

Routine thickness: 50mm
 Routine 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 Wool
 Installation: Aluminum connection with "Zhong" character is adopted.



手工板（中字形）：用于围护隔断



板与板连接

特性：

- 1、能够满足医院环保健康的空间环境；
- 2、材料防火防水，提高医院的消防能力；
- 3、吸水率低、具有防水、防潮的特点，潮湿环境下可应用；
- 4、有效地为医院进行隔热降温作用；
- 5、使用寿命长；
- 6、颜色及图案选择多样化。

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 diversified.

面板色彩：

多种颜色涂层面板可供选择，应用不同场合环境搭配，令工作环境不再单一色彩化，更易区分功能性区域的间隔。

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.





Doors and 洁净门窗系统系列 Windows Series

随着洁净要求标准的提升，钢制洁净成品门窗已被广泛应用于彩钢板墙体净化工程，涵盖医院、制药、实验室、食品、化妆品、电子制造等行业。产品防火耐用、外观美观、整体无突出、密闭性好。还可任意选定可视窗型式、尺寸以及门板颜色和门锁型号。

With the improvement of cleanliness requirements, steel clean finished doors and windows have been widely used in color steel wall. Purification Engineering covers hospitals, pharmaceuticals, laboratories, food, cosmetics, electronic manufacturing and other industries. product Fireproof and durable, beautiful appearance, overall non-prominent, good sealing. The type and ruler of the visible window can also be selected arbitrarily. Inch and door panel color and lock type.



应用:

净化工程, 涵盖医院、制药、实验室、食品、化妆品、电子制造等行业

Applications :

Purification engineering, covering hospitals, pharmaceuticals, laboratories, food, cosmetics, ElectronicsManufacturing and other industries



Steel Clean Door 钢制洁净门系列

序号	名称	材料	备注
1	门框形状		齐平式、中字铝式、对夹式
2	门框	1.5mm	电解镀锌钢板、304不锈钢
3	门板	1.0mm	电解镀锌钢板、304不锈钢
4	门扇厚度	50mm	
5	门芯	纸蜂窝、铝蜂窝、岩棉	阻燃性（可选）
6	观察窗	5mm钢化双层中空玻璃	常规为W400xH600。黑框黑色丝印，内设干燥剂，内衬铝合金框或不锈钢框，视窗分直角透视窗与圆弧透视窗（可根据客户需求而定）
7	门锁	不锈钢分体执手锁、肘压锁、逃生锁、互锁	
8	表面处理		平光纹或橘皮纹，颜色可定制
9	其他配件	3.0mm 304不锈钢合页，自动升降式扫地条，暗插销	

备注：具体尺寸可根据客户要求定制

门窗配件

Door and window accessories:

每个配件都由华翱公司精心设计，不但质量有保障，而且外观更符合门窗的搭配美学。

Every accessory is carefully designed by Huao Company, which not only guarantees the quality, but also conforms to the aesthetics of matching doors and windows.



型号及参数:
Specification:



钢制净化单开门
Steel Purification Single Open Door

W800xH2100
W900xH2100
W1000xH2100



钢制净化子母门
Steel Purification Kids and Mothers

W1200xH2100
W1500xH2100



单开门和子母门应用案例
Application cases of single door and mother-child do

Steel Clean Door 钢制洁净门系列



型号及参数：
Specification:

钢制净化双开门
Steel Purification Double Open Door

W1200xH2100
W1500xH2100
W1800xH2100



电动平移门
Electric translation door

W1200xH2100
W1500xH2100
W1800xH2100

双开门和电动平移门应用案例
Double open door and electric translation door Application cases





Clean Window 洁净窗

洁净窗，双层中空5mm钢化玻璃，可与机制板与手工板配套，打造洁净室板材与窗户平面一体化，整体效果美观，密封性能好，具有良好的隔音、隔热效果。

Clean windows, double hollow 5 mm tempered glass, can be matched with mechanism board and manual board to create clean room board and The window plane is integrated, the overall effect is beautiful, the sealing performance is good, and has good sound insulation and heat insulation effect.

参数：

铝合金框及不锈钢框
直角透视窗与圆弧透视窗
接受客户尺寸定制。

Specification:

Aluminum alloy frame and stainless steel frame
Right Angle Perspective Window and Arc Perspective Window
Accept customer size customization.



洁净窗可与50mm手工板或机制板配套，打破传统玻璃窗精度不高、不密封、容易起雾的缺点，是新一代洁净空间工业应用观察窗的最佳选择。

Clean windows with 50mm,hand-made or machine-made panels Matching breaks the shortcomings of traditional glass windows,such as low accuracy, non-sealing and easy fogging.It is the best choice for the observation window of new generation clean space industry application.





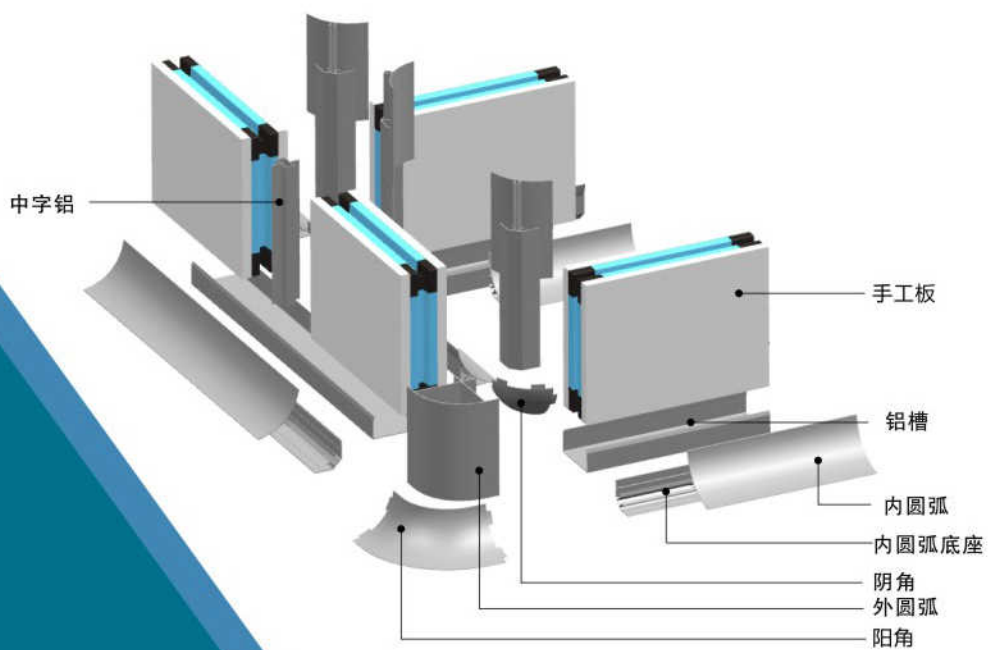
净化铝型材配件系列 Accessories Application

铝型材配件是指洁净室彩钢板隔断装修所需的配件，常用的有槽铝、角铝、外圆弧、柱铝、内圆弧铝、门窗铝、T型梁、中字铝等，也有针对某种新型材料开发的特种铝材。

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.

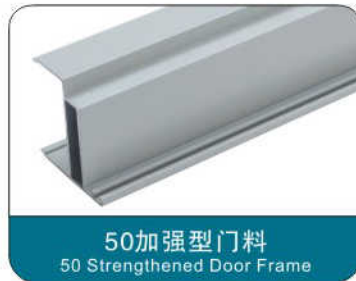
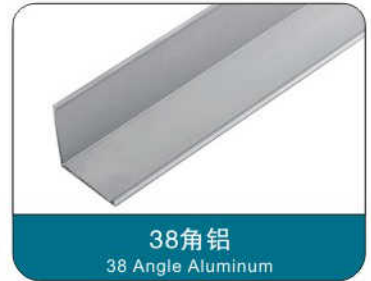
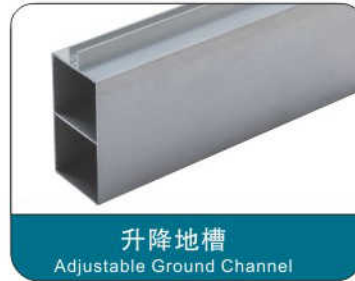
配件应用示意图：

Schematic diagram of spare parts application :

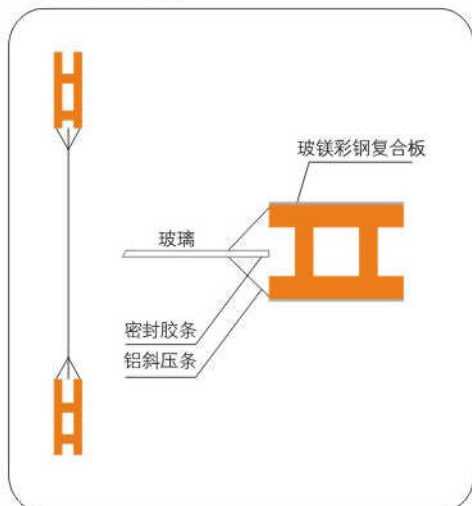


Clean Room Accessories

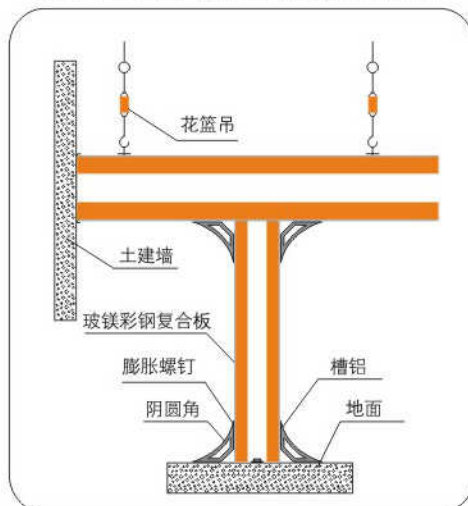
净化室铝材配件 >>>



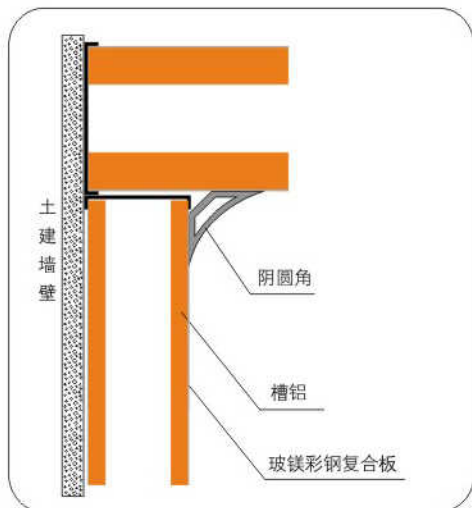
固定玻璃大样:



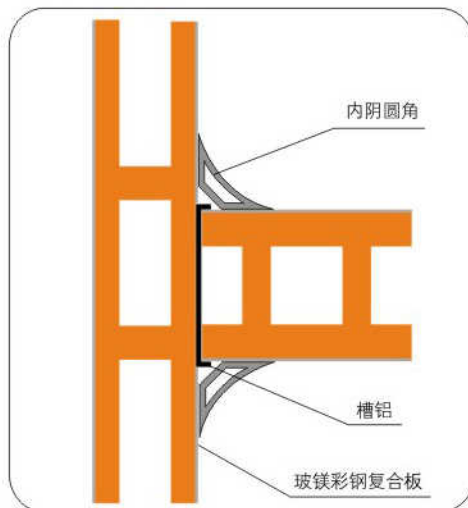
吊顶、地面、墙角、隔墙交接大样:



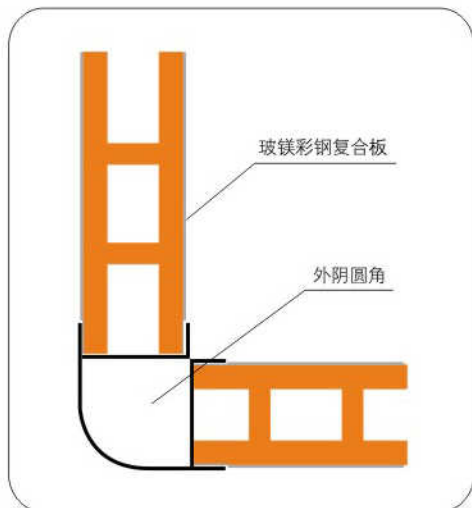
墙面接点:



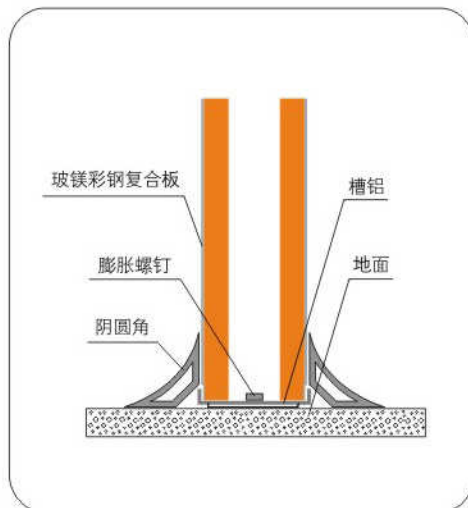
丁字接点:



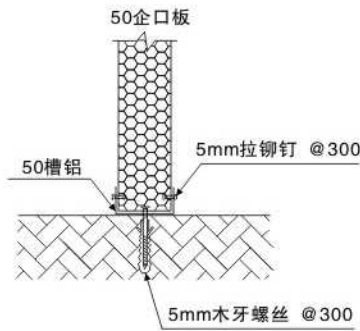
外阳圆角接点:



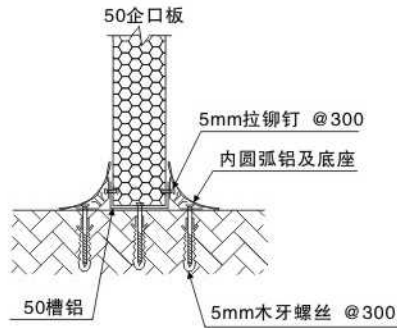
与地面接点:



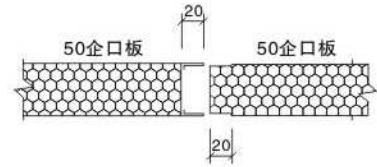
Sandwich Construction Diagrams 夹芯板施工图解 >>>



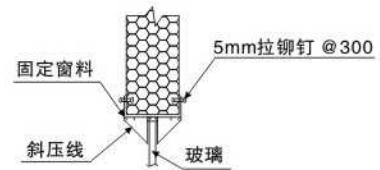
地面与墙板节点大样



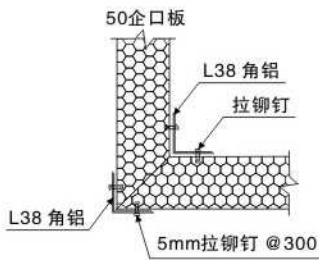
地面与墙板节点大样 (净化)



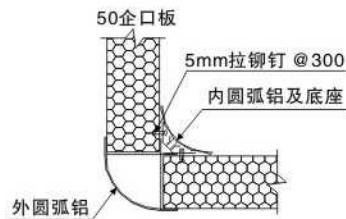
企口板拼缝节点



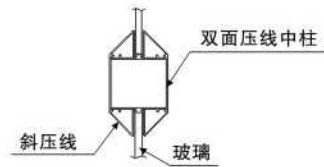
固定窗节点



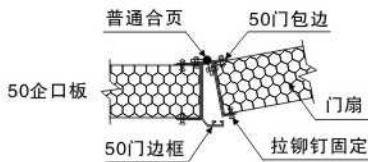
普通转角大样



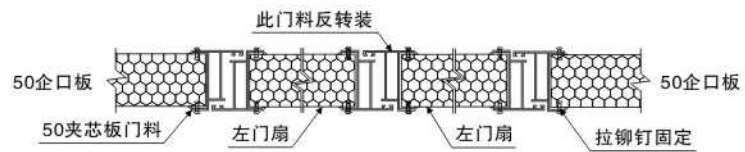
净化转角大样



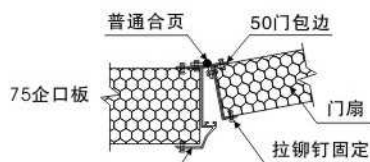
固定窗中柱节点



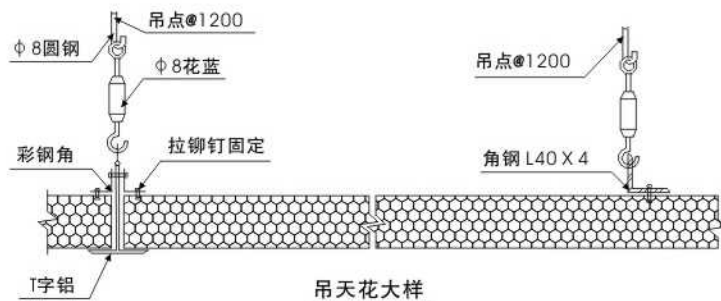
普通门大样



双掩门大样



75系列门料



吊天花大样

Our Customers

我们的客户（排名不分先后）



联邦制药



丽珠集团



汤臣倍健



中山可可康



香雪制药



深圳太太药业



大参林



康美药业



朗肽制药



平潭协和医院



宁德新能源



创维



富士康



vivo



步步高



松下



可口可乐



蓝月亮



正味



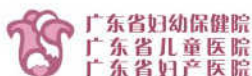
爱尔眼科



深圳华星光电



北京协和医院



广东省妇幼保健院



中山大学第一院



河南省人民医院



深圳崇达电路



湖北省人民医院



中山大学第三院



武汉协和医院



中南大学湘雅医院



湛江中心人民医院



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