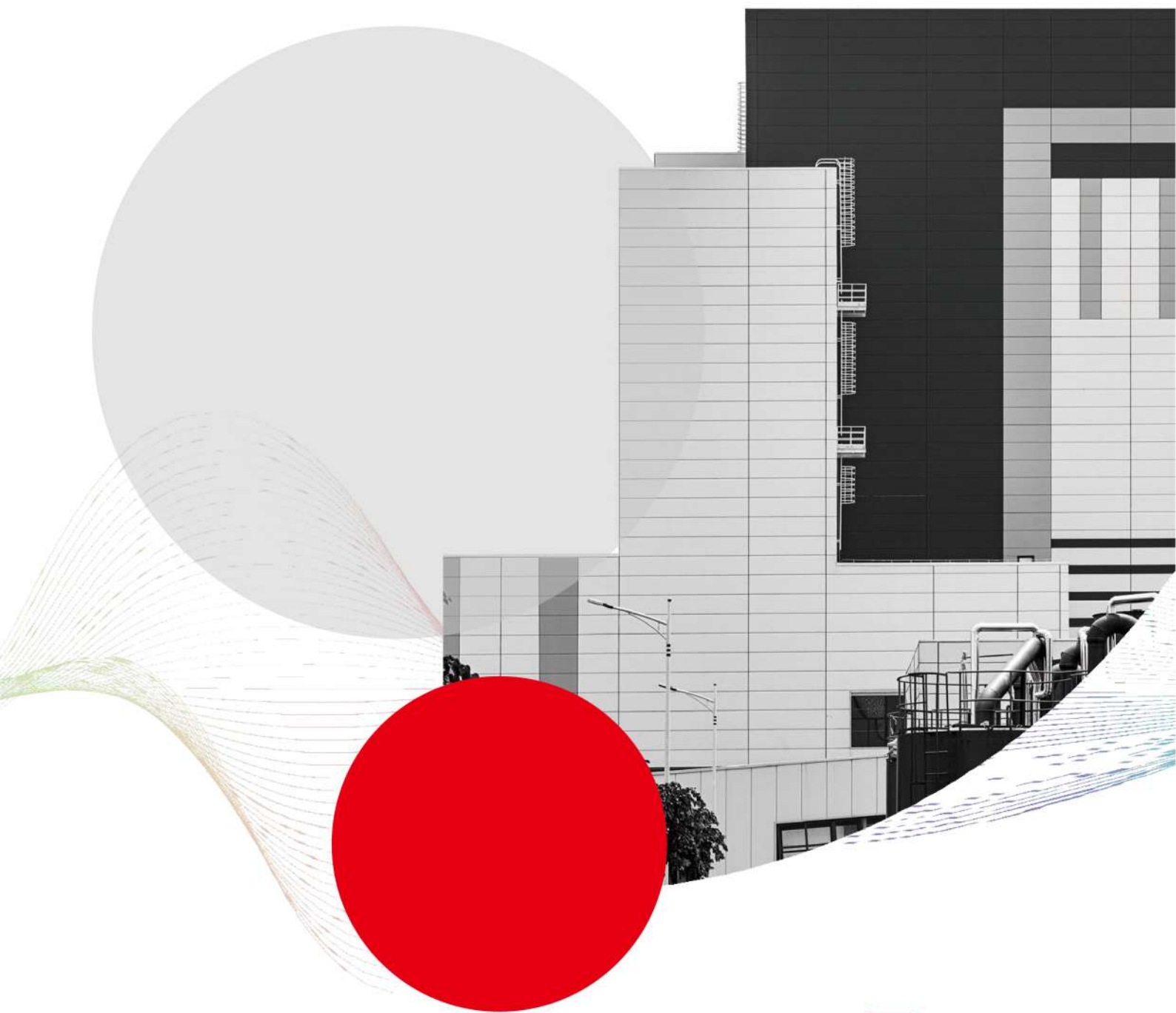


PRODUCT CATALOG

Honest and kind harmony and win-win




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ARCHITECTURE MAKES LIFE BETTER

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COMPANY PROFILE

500
Company Staff

1995
Establish

65
Sales country

8000
Success cases



BRDECO leading manufacturer since 1995, which can reduce your costs by 30%, and can guarantee the delivery date and quality, and easy communication. We are a multinational company and have a listed holding company in China, stock code 873445, which enables you to buy more safely. Designing free, renderings free, product test report free, installation service guidance free, technical support free, and shipping samples free. BRD stock of standing products 6000 tons, standing samples of 23 colors, meet your personal customization perfectly. We have 25 years of export and manufacturing experience, understand use standard and material quality standard of your country, we have the best engineers and designers, one-to-one communication for you, to serve you immediately. BRDECO has got ISO9001 and TUV certification, and our products have got CE certification. The distributor covers more than 21 cities in the world. The sales net has covered over 52 countries and places, such as America, Canada, Russia, Peru, Vietnam, Trinidad and Tobago, Australia, Sweden, and some other countries in Europe, Southeast Asia, Southern Africa and other places. Our consulting and sales services are provided through our own network of regional branches, distributors and a team of professional sales advisors. We BRDECO sincerely hope to cooperate with you to create a double win game.



Industry Qualification

Professional Contracting Qualification Of Construction Curtain Wall Engineering
Professional Contracting Qualification Of Steel Structure Engineering
Project Contracting Qualification
Engineering Design And Construction Qualification
Professional Contracting Qualification Of Environmental Protection Projects
Professional Contracting Qualification Of Building Mechanical And Electrical Installation Engineering
EU CE International Certification
Alibaba SGS Certification
Russian GOST Certification
Provincial Building Energy-Saving Technology And Product Application Identification
Three Major Management Systems: ISO9001, ISO4001, and OHSAS18001

Honor and Qualification

Henan Province Consumer Satisfaction Unit
Provincial Contract-Heavy Credit Enterprises
Famous Trademark Of Shandong Province
Provincial Specialized And Special New Small And Medium-Sized Enterprises
Xuchang City Invisible Champion Enterprise
Civilized And Honest Private Enterprises
Advanced Units For Major Project Construction

Member of Steel Structure of China
Construction Metal Association
Member of Logistics and Procurement
Vice President of the Chamber of Commerce of the Federation of Industry and Commerce
Aid the green earthquake relief love enterprises

CORE VALUES

Honest and kind harmony
and win-win



PRODUCT SYSTEM



STEEL PLATE TRADE CIRCULATION SYSTEM



STEEL STRUCTURE BUILDING SYSTEM



ASSEMBLY BUILDING SYSTEM



METAL ENCLOSURE SYSTEM



HIGH END METAL CURTAIN WALL SYSTEM



ENERGY SAVING INSULATION PANEL SYSTEM



CLEANROOM SYSTEM



THERMAL INSULATION AND ENCLOSURE SYSTEM OF COLD STORAGE

ENERGY SAVING INSULATION PANEL SYSTEM

Polyurethane sandwich panel is the best heat insulation and energy saving material recognized in the world today. It has been widely used in large industrial plants, exhibition halls, gymnasiums, cold storage, purification workshops, animal husbandry, edible fungi and other industries. Polyurethane, as one of the most excellent insulation materials in the insulation and energy saving market at present, makes polyurethane hard foam products more and more widely used in building energy saving and heat preservation with its unique advantages. Building energy saving will become the main application direction of polyurethane hard foam in the future.

Advantage

Thermal insulation properties

The thermal insulation effect of polyurethane sandwich panel is good. Under the general ideal state, the thermal insulation effect of 50mm polyurethane sandwich panel is equivalent to that of 1720mm brick wall.

Fire resistance

Polyurethane sandwich panel has good fire resistance, with the characteristics of self-extinguishing, fire rating up to B1.

Energy Saving & Environmental Protection

Polyurethane sandwich panel is energy saving and environmental protection, because it is easy to install and can be recycled, which greatly improves the reuse rate of the plate.

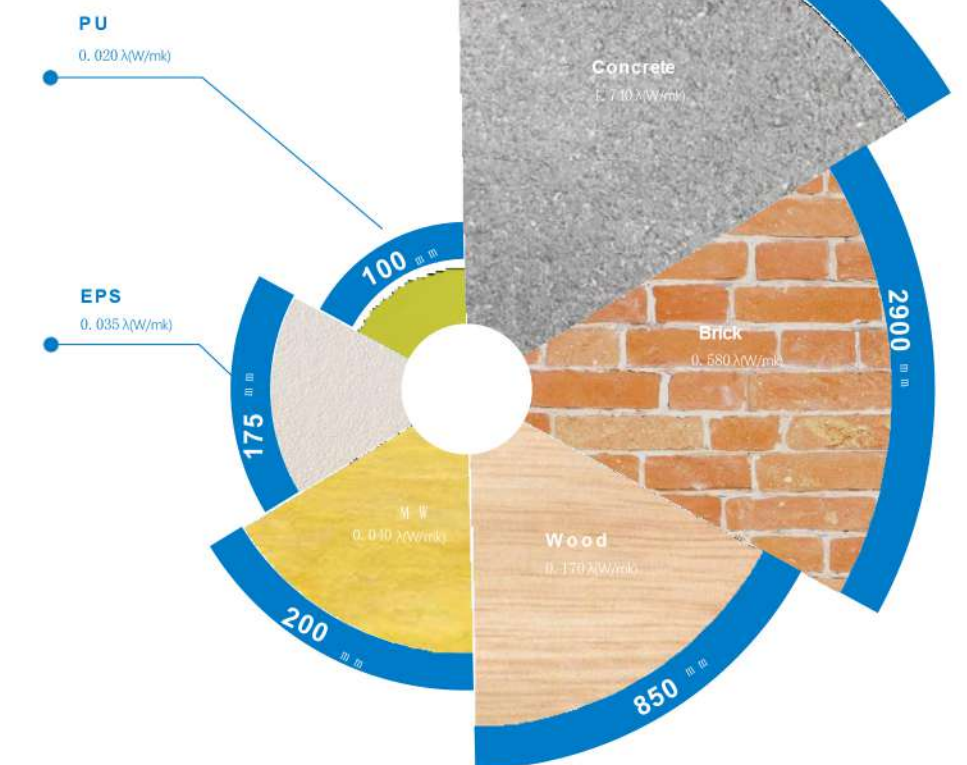
Various types

Various types of polyurethane sandwich panel, a variety of plate customization, to meet all personalized needs.

Low thermal conductivity

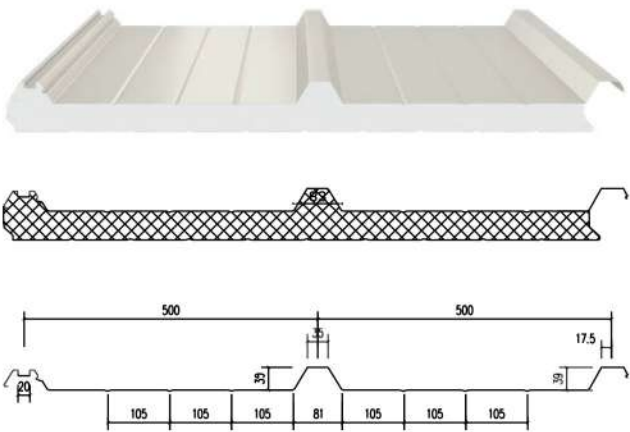
Its ultra-low thermal conductivity can easily make the building to achieve the required thermal insulation can prevent condensation, reduce the wall thickness, increase the use of the building space.

Comparison of the same insulation effect with different thicknesses.



Roof Panel

hidden roof panel



Characteristic

Energy Saving&Thermal Insulation

Superior thermal insulation performance, the same thickness insulation effect is twice that of EPS board.

Flame Retardant & Fire Resistance

Products have passed the inspection “The national fixed fire extinguishing systems and components tolerance of Quality Supervision, Inspection Centre competent examiner”, combustion level reach the B2 standard based on GB8624.

Airtightness & Sound-Proof

Better sound absorption.To cut down the noise of rain, hail, etc.

Waterproof & Rust-Proof

Large span, quick drainage, good waterproof performance;
hidden screw, not easy to rust, extend the panel life.

Aesthetics & Cost Effective

Nice appearance.Material loss reduction.Installation time and project cost saved.

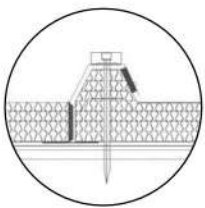
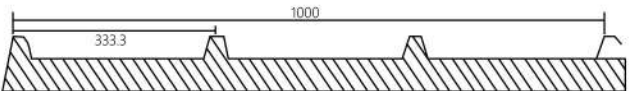
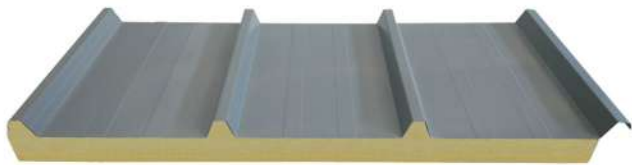
Quick Installation

Polyurethane sandwich panel is produced in the factory under highly controlled, constant temperature environment, stable quality; Fast construction, has been used for more than 35 years.



Beijing Hyundai Motor Factory

Four-wave lap roofing panel



Joint

Characteristic

Corrosion resistance

Aluminum foil can be used to replace color steel plate to improve the high temperature and corrosion resistance of the product.

Steel plate strong

Four wave corrugated.Increase the strength of the steel plate.

Reasonable lap

The design of the inclined plane of the lap joint is simple and reasonable.

Aesthetics & Cost Effective

Nice appearance.Rich color .Material loss reduction.

Quick Installation

The design of the lap joint is simple and the construction is convenient.

Item	Parameter
Name	hidden roof panel
Effective Cover Width (mm)	1000
Steel Thickness (mm)	0.4-0.8
Regular Color	White Grey、Red、Blue、Caesious.....
Recommend Coating	PVDF、SMP、HDP、PE
Core Thickness (mm)	50 / 60 / 75 / 80 / 100 / 150
Core Material Options	PU/PIR PU/PIR+Glass Wool PU/PIR+Rock Wool
Thermal conductivity (w/m·k)	≤ 0.023 0.035-0.041 0.037-0.043

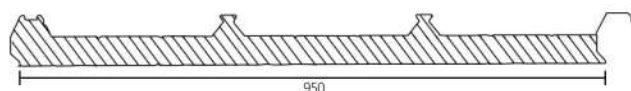


PV SOLAR ROOF SANDWICH PANEL

Focusing on the installation and application of photovoltaic panels in energy-saving buildings, a multi-functional roof system is developed, which integrates thermal insulation and energy conservation with solar energy utilization.

Optional core materials:

PU(PIR)+Rock Wool; PU(PIR)+Glass Wool; PU(PIR)



Joint

Parameter

Closed porosity of energy-saving insulation core material $\geq 97\%$

Excellent thermal insulation performance

Flame Retardant & Fire Resistance

Products have passed the inspection "The national fixed fire extinguishing systems and components tolerance of Quality Supervision, Inspection Centre competent examiner", combustion level reach the B1 standard.

Airtightness & Sound-Proof

Better sound absorption
To cut down the noise of rain, hail, etc.

Green & Environmental Protection

Formaldehyde-Free
Protected from microbial attack
Recyclable

Aesthetics & Cost Effective

Rich color
Material loss reduction
Installation time and project cost saved

Quick Installation

Save installation time



VERTICAL LOCK-STITCH PV SOLAR ROOF SANDWICH PANEL

In order to cope with the more severe weather conditions and better solve the problems of water leakage caused by heavy rainfall and wind-blown roof, we have introduced the 360° vertical lock-stitch PV solar roof sandwich panel.

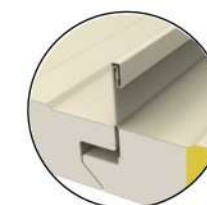
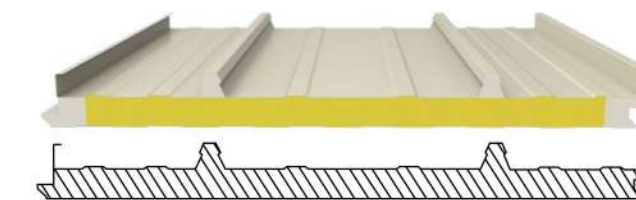
Better thermal Insulation

Solar panels can be installed

Excellent air tightness

Optional core materials:

PU(PIR)+Rock Wool; PU(PIR)+Glass Wool; PU(PIR)



Joint

Advantage

360° vertical lock-stitch
Self-Locking function
Easy installation

Wind Resistance

If integral sliding of roof, effectively solve the impact caused by heat expansion and cold contraction.

Airtightness & Sound-Proof

Better sound absorption
To cut down the noise of rain, hail, etc.

Green & Environmental Protection

Formaldehyde-Free
Protected from microbial attack
Recyclable

Aesthetics & Cost Effective

Rich color
Material loss reduction
Installation time and project cost saved

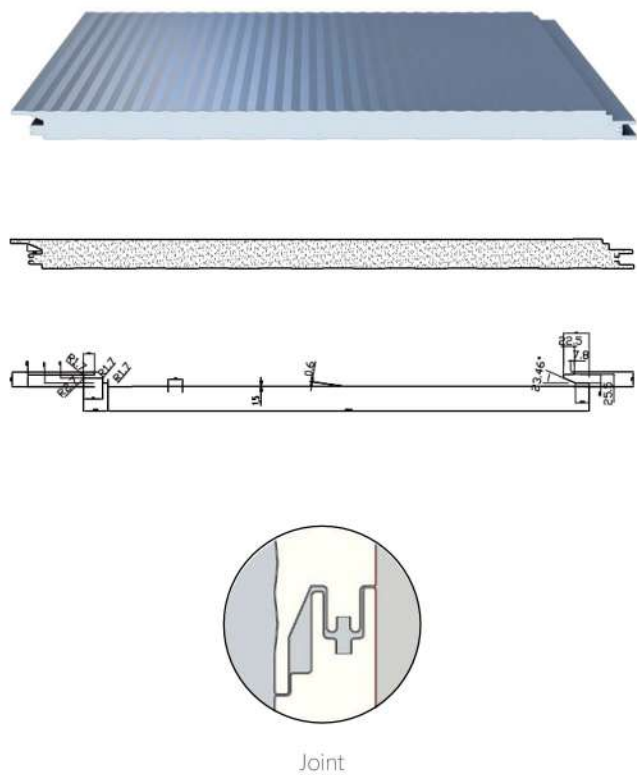
Quick Installation

Save installation time

Wall Panel

PU/PIR Energy Savin Panel

The unique property of PU/PIR is that the thickness of core material used to achieve the same energy-saving effect is smaller.



Characteristic

- Fire Resistance**
PU/PIR is B level fire-proof material, which can effectively reduce the fire loss.
- Thermal Insulation & Energy Saving**
Thermal conductivity 0.019-0.023w/m·k, better thermal insulation.
Excellent node design ensure the sealing performance and insulation effect.
- Sound-Proof**
Good sound insulation, effectively reduce the interference of external sound.
- Watertightness & Airtightness**
The hydrophobicity of PU/PIR $\leq 5\%$
Joint of the panel keeps good airtightness.

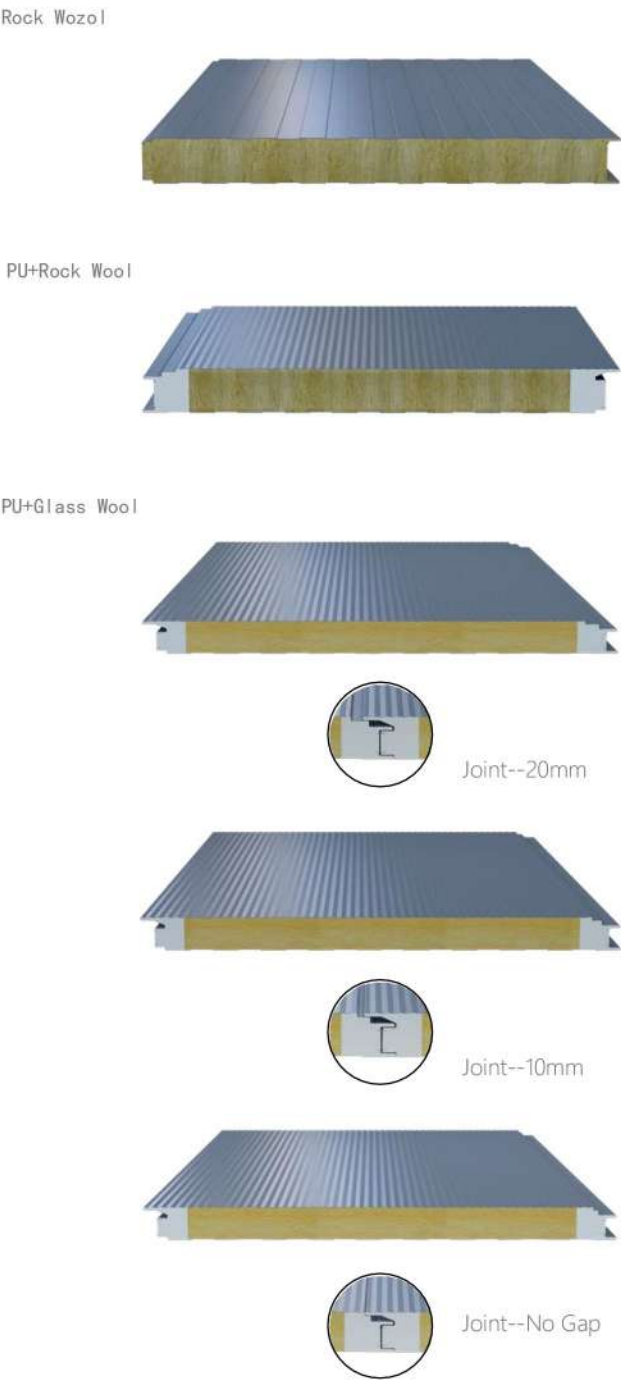
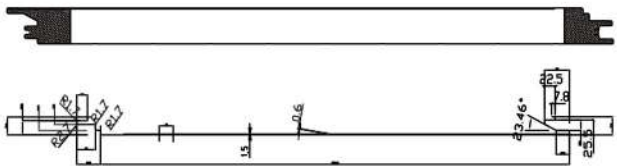
- Strong & Durable**
Density $\geq 40\text{kg/m}^3$
High strength
Long-lasting stability
- Facade Aesthetics**
Hidden screw joint, keep high flatness of the panel surface.

Fireproof Sandwich Panel

Unique performance in fireproof, soundproof and thermal insulation.
Optional core materials:
Rock Wool; PU(PIR)+Rock Wool; PU(PIR)+Glass Wool

Characteristic

- Fire Resistance**
Rock wool is a non-combustible material with super high melting temperature of 1000 °C, which can effectively block the flame and reduce the fire loss.
- Thermal Insulation & Energy Saving**
Rock wool in low thermal conductivity (0.043w/m.k) and good thermal insulation performance.
Excellent node design ensure the sealing performance and insulation effect.
- Sound-Proof**
Soundproof volume $\geq 30\text{DB}$
Effectively reduce the interference of external noise.
- Watertightness & Airtightness**
PU(PIR) closing ensures water-repellent effect
Joint of the panel keeps good airtightness.
- Strong & Durable**
Choose high-quality rock wool or glass wool material, hydrophobic durable and stable.
- Facade Aesthetics**
Hidden screw joint, keep high flatness of the panel surface.

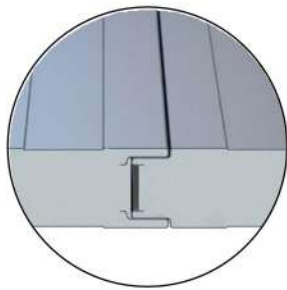
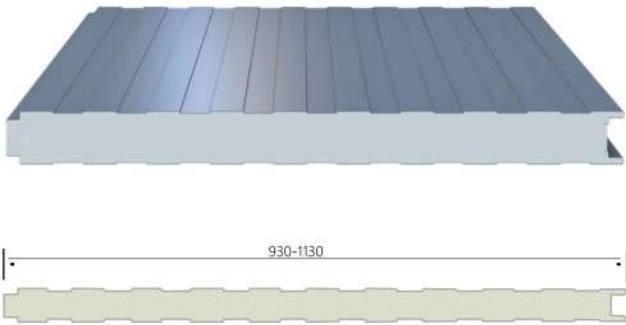


Partiton Wall Panel &Ceiling Panel



Characteristic

Application:Interior partition wall;Ceiling;The wall of mobile container house
Good self-bearing performance
Good airtightness
Good performance in heat preservation and cold-bridgen proof
Panel surface can be PPGI,aluminum foil and stainless steel



Joint

Item	Parameter			
Name	Wall panel			
Effective Cover Width (mm)	930-1120			
Steel Thickness (mm)	0.4-0.7			
Regular Color	White Grey			
Recommend Coating	PVDF、SMP、HDP、PE			
Panel Surface	30/35/40/50/60/70/75/100			
Core Thickness	PPGI;Aluminum Foil;Stainless Steel			
Core Material Options	PU(PIR)	PU(PIR)+Glass Wool	PU(PIR)+Rock Wool	
Thermal conductivity	≈ 0.023	0.035-0.041	0.037-0.043	

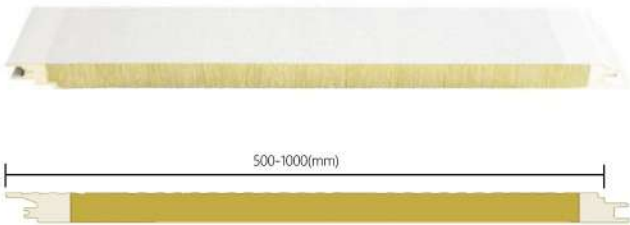
Acoustic Sandwich Panel



Advantages of the Acoustic Sandwich Panel as Follows
Sound absorption, environmental protection, flame retardant, thermal insulation, moistureproof, anti-mildew, easy to cut, easy installation, good stability,cost-effective.
There are a variety of colors to choose, meet different needs.

Component

PPGI(Exterior steel)+Glass Wool/Rockwool Wool+Nonwovens+Perforated PPGI(Interior steel)



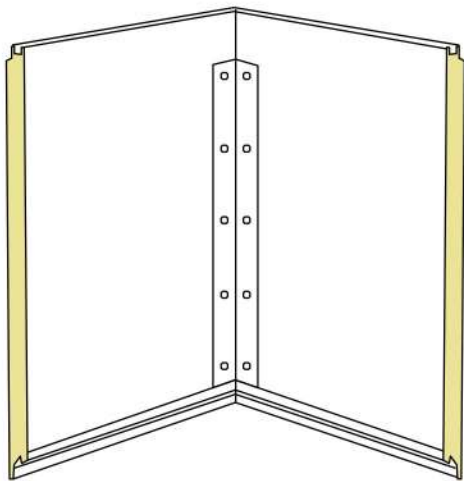
Characteristic

- Airtightness & Sound-Proof**
Better sound absorption
To cut down the noise of rain, hail, etc.
- Green & Environmental Protection**
Formaldehyde-Free
Protected from microbial attack
Recyclable
- Aesthetics & Cost Effective**
Rich color
Material loss reduction
Installation time and project cost saved
- Quick Installation**
Save installation time.

Corner Panel

Characteristic

Item	Parameter
Name	Corner Panel
Effevtive Cover Width (mm)	300-2000mm
Steel Thickness (mm)	0.4-0.7
Regular Color	WhiteGrey, Red, Silver, Sea Blue
Recommend Coating	PVDF, SMP, HDP , PE
Panel Surface (mm)	30/40/50/70/75/80/100/150
Core Thickness	PPGI;Aluminum Foil;Stainless Steel
Core Material Options	PU (PIR) PU (PIR)+Glass Wool PU (PIR)+Rock Wool
Thermal conductivity	≤ 0.023 0.035-0.041 0.037-0.043



ARC Panel

Characteristic

Aesthetic

Building appearance attractive

Flame Retardant & Fire Resistance

Products have passed the inspection “The national fixed fire extinguishing systems and components tolerance of Quality Supervision, Inspection Centre competent examiner”, combustion level reach the B2 standard based on GB8624.

Joint Tightness

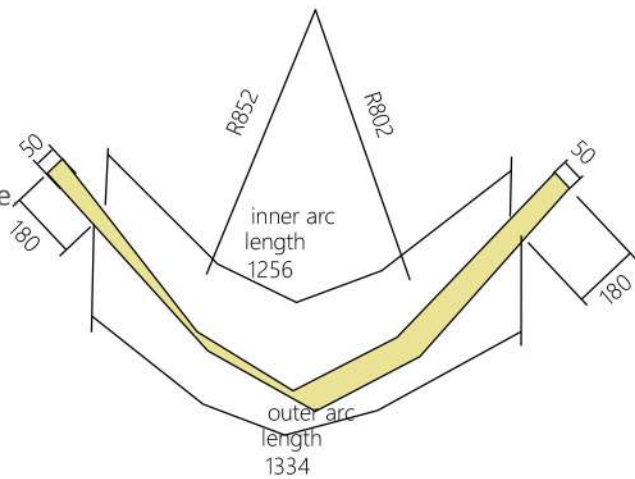
Tongue and Groove in Four Joint

Waterproof & Rust-Proof

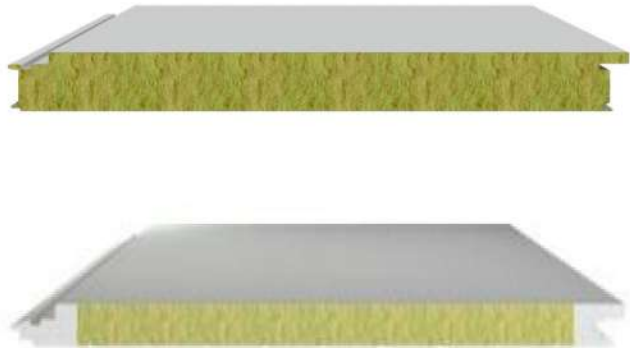
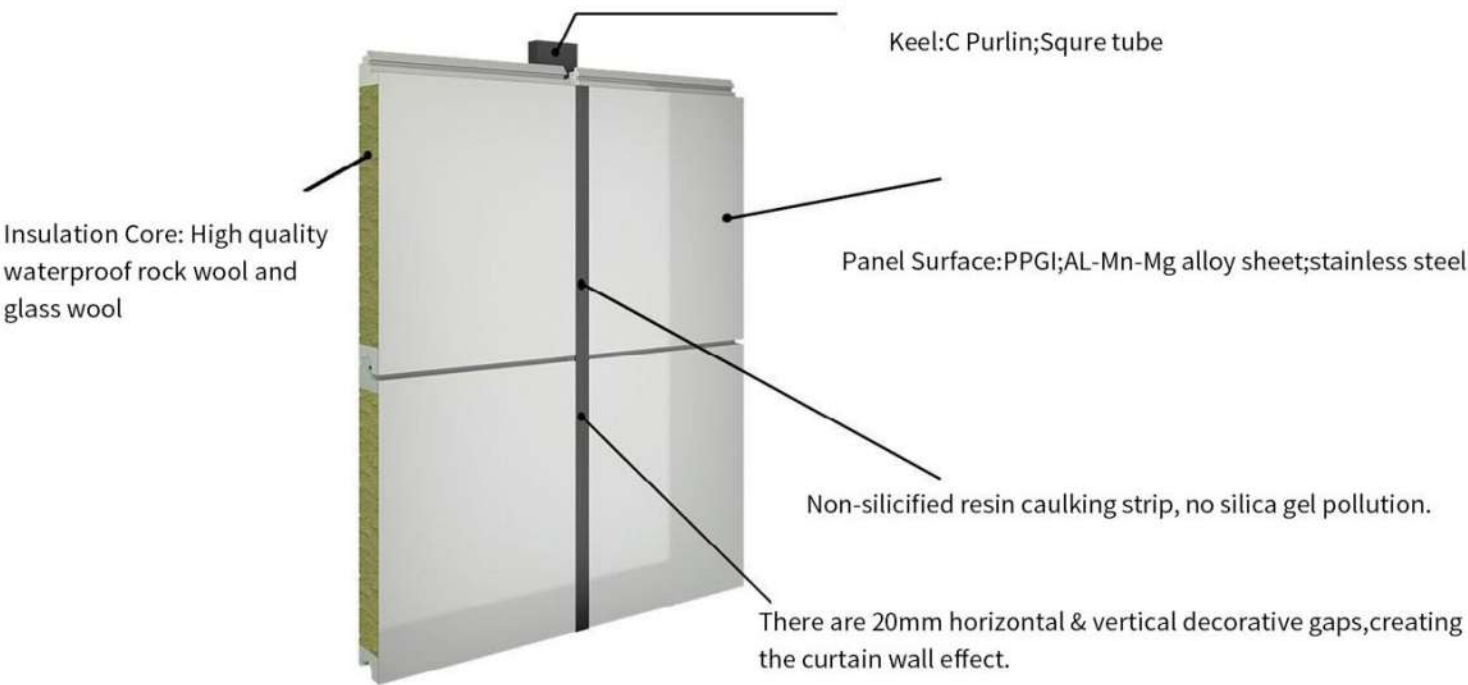
Large span, quick drainage, good waterproof performance;
hidden screw, not easy to rust, extend the panel life

Quick Installation

Save installation time



Panel in 4 Tongue-and-Groove Joint



Characteristic

- Application: Exterior wall; The wall of mobile container house
- The appearance is smooth, elegant, with attractive metal texture
- Excellent thermal insulation performance
- Flexible width sizes are available
- Panel surface can be PPGI and stainless steel
- 4 Tongue-and-Groove Joint: Using non-silicified resin caulking strip
- Easy Installation

Parameter

Item	Parameter
Panel Surface	PPGI;AL-Mn-Mg alloy sheet;stainless steel
Core Material Options	PU (PIR)+Glass Wool PU (PIR)+Rock Wool
Effective Cover Width (mm)	500-1000
Recommend Length	500-4000
Thickness	50/60/75/100

HIGH END METAL CURTAIN WALL SYSTEM



Metal Curtain Wall Panel



The metal curtain wall system with thermal insulation and decoration is an integrated composite material with many functions. The application provides a solution for building facade insulation, fire prevention and durability.

Characteristic

Excellent insulation performance

The metal curtain wall system choose high quality long-fiber rock wool.

Under the best condition (the average temperature of 20 °C),thermal conductivity $\leq 0.036\text{w/m.k}$

Prefabrication

Factory prefabricated panels and structural components, greatly reducing the site installation time.Compared with the traditional metal curtain wall panel, the installation efficiency can be improved by 50% .

Dicoration of Building Facade

We offer a wide range of metal panel materials to our clients.

At the same time, we work with the paint factory to develop a variety of colors from nature.

We have innovated the technology to show various texture effects on the surface of the panel.

Excellent Fire Resistance

A2-S1-D0

In case of fire, the system does not support combustion, not generate additional smoke and drips.

Metal Curtain Wall Panel-KASTEN-S

KASTEN-S apply to building exterior facade.Regarding insulation,decoration,leaner and smooth combined into one product.The panel standard length can arrive 4m and standard width can arrive 1100mm.
PS:Others customized size need engineer verify.

Parametric Description

Item	Parameter			
Thickness (mm)	50	75	100	150
Thermal conductivity (u-value W/m²·K)	0.93	0.65	0.5	0.34
Weight (kg/m²)	14.61	17.61	20.61	26.60
Width (mm)	200-1150			
Length (mm)	max. 4000			
Acoustic properties (Rw)	24db			
Fireproof rating	A2-s1-d0			

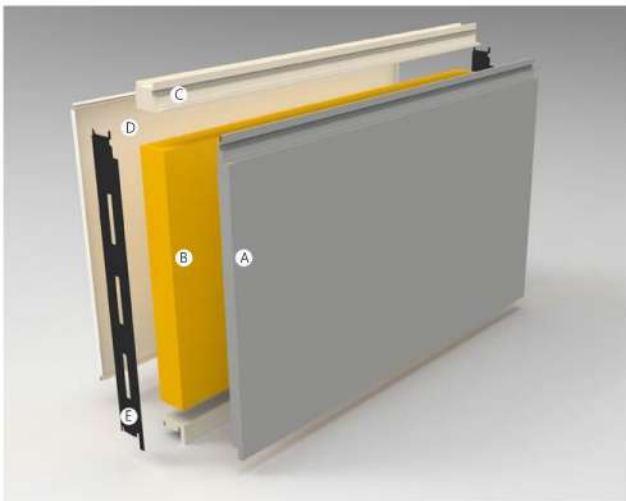
PS:The weight result base on 0.6mm+0.5mm steel sheet.

Partiton Wall Panel &Ceiling Panel

LMAI-U/L consist of five main parts,please refer picture:

A (color steel sheet)B(rock wool core)C(PU side)D(color steel sheet)E(PVC accessories)
LAMI-U/L with insulation and decoration,especially apply to bigger building exterior facade.The panel standard length can arrive 12m and standard width can arrive 1000mm.
In addition,LAMI-U/L can be made various corner panel to building more beautiful.

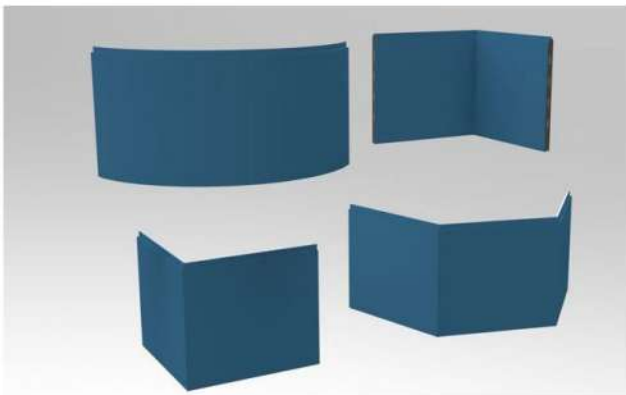
PS:Others customized size need engineer verify.



Parametric Description

Item	Parameter			
Thickness (mm)	50	75	100	150
Thermal conductivity (u-value W/m²·K)	0.93	0.65	0.5	0.34
Weight (kg/m²)	14.61	17.61	20.61	26.60
Width (mm)	500-1150			
Length (mm)	max. 12000			
Acoustic properties (Rw)	24db			
Fireproof rating	A2-s1-d0			

PS:The weight result base on 0.6mm+0.5mm steel sheet.



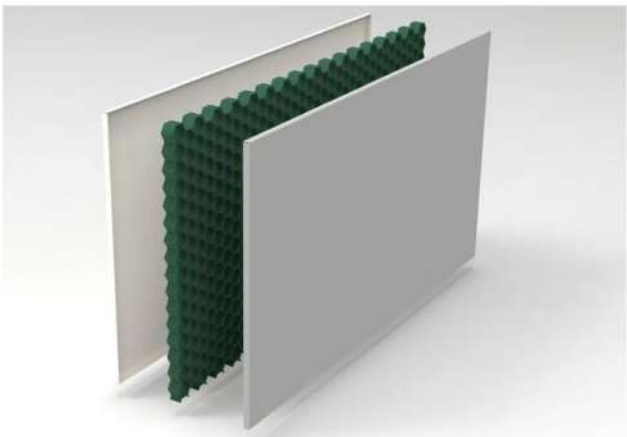
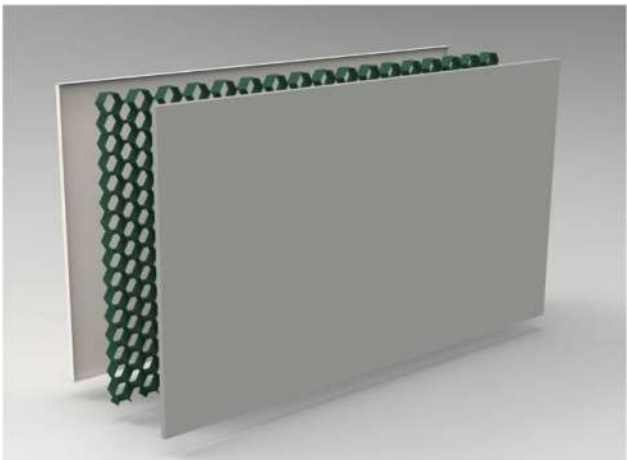
Metal Curtain Wall Panel-LMAI-H

LMAI-H consist of three parts:
color steel sheet+honeycomb core+color steel sheet

Color steel sheet usually use 0.7mm-1.0mm thickness aluminum and Core use 15-50mm thickness aluminum honeycomb.

LAMI-H standard size:
Length:150-80000mm
Width:100-1200mm
Thickness:10-50mm

PS:Others customized size need engineer verify.



Advantage

- 1,Light weight,high strength,longer panel length,lower thermal conductivity
- 2,Various size and color can be choose.
- 3,Better weather resistance and recyclable product
- 4,It can be made various curved application.

Metal Curtain Wall Panel-VKAD

VKAD consist of two parts: color steel sheet+PIR/rock wool insulation



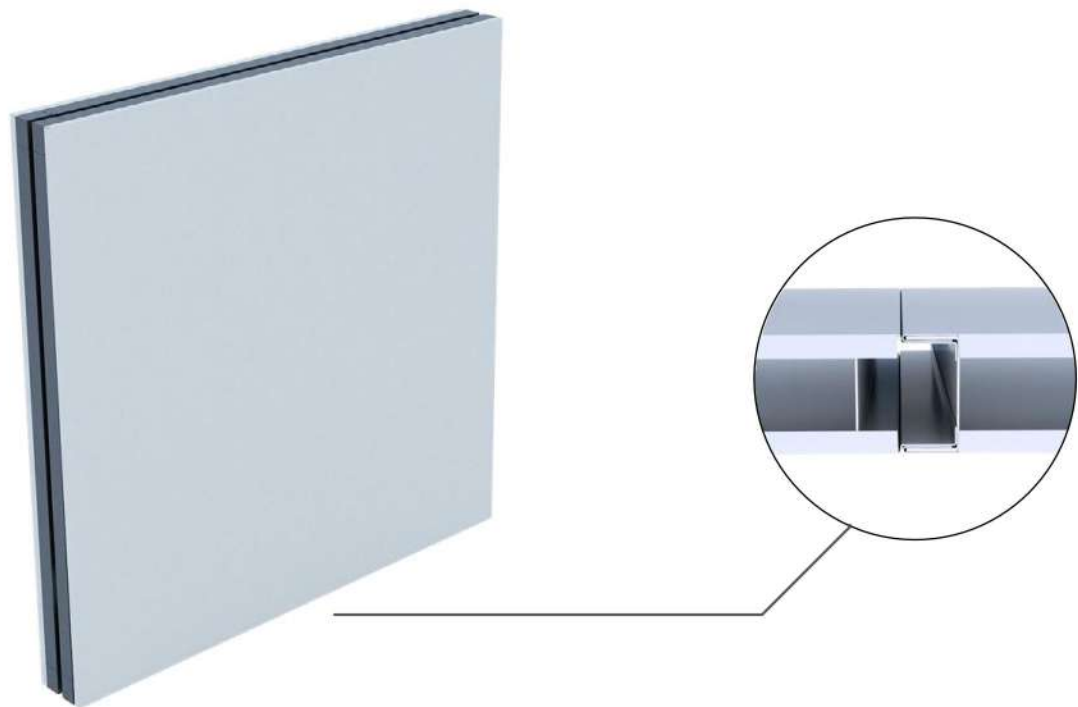
Advantage

- Excellent air tightness
- Customized insulation and panel can horizontal and vertical arrangement with steel frame.
- Easy installation

CLEANROOM SYSTEM

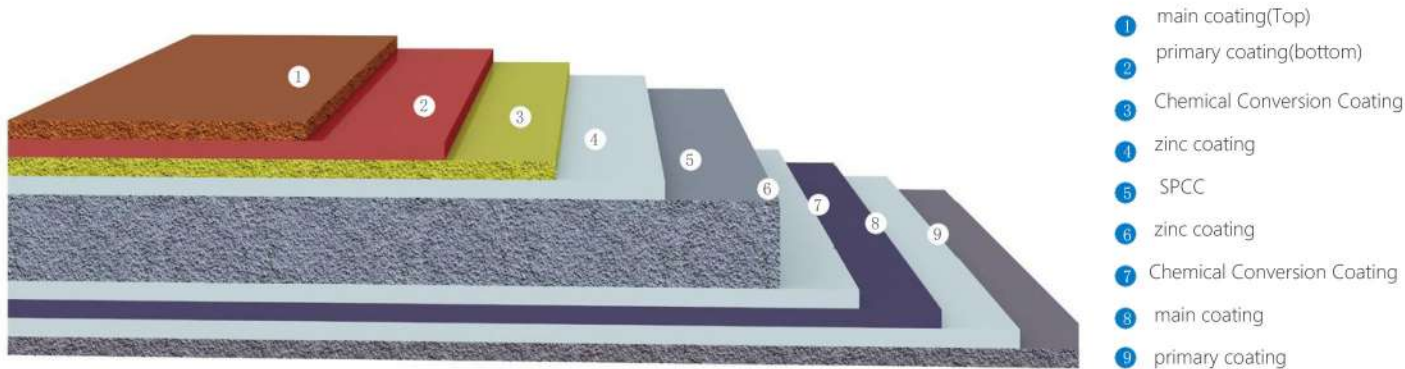


Cleanroom Panel



Items	Parametric Description (mm)
width	980/1,180, tongue and groove panel: 950/1,150
length	wall panel 100-9,000, ceiling 100-3,500
thickness	50/75/100/150
steel thickness	0.4-0.8
steel type	color galvanized steel sheet /color aluminum sheet / stainless steel sheet / Titanium zinc sheet
painting	PE / PVDF/ HDP

PS:Other customized panel need verify by engineer





SGS Our adhesives have passed SGS standard certification.

Parametric Description

Item	Rock wool panel	Mgo+ Rock Wool Pane	aluminum honeycomb panel
weight	15-16kg/m²	17-23kg/m²	10-15kg/m²
core density	100-120kg/m³	-	-
soundproof	25db	30db	18db
bending bearing capacity	1.1KN/m²	1.25KN/m²	1.0KN/m²
waterproof	≥ 98%	-	-
Fire resistance rating	30min	60min	41min

注：板材重量按50mm板厚计算。

One-Piece Corner Panel

Different from the traditional corner panel, the integrated corner panel use one piece complete panel. So the integrated panel have smoother surface to easy clean and sterilize, and closeness joint to avoid air leak and dirt retention. Integrated Corner panel have special technique for better insulation to avoid coldbridges effect.

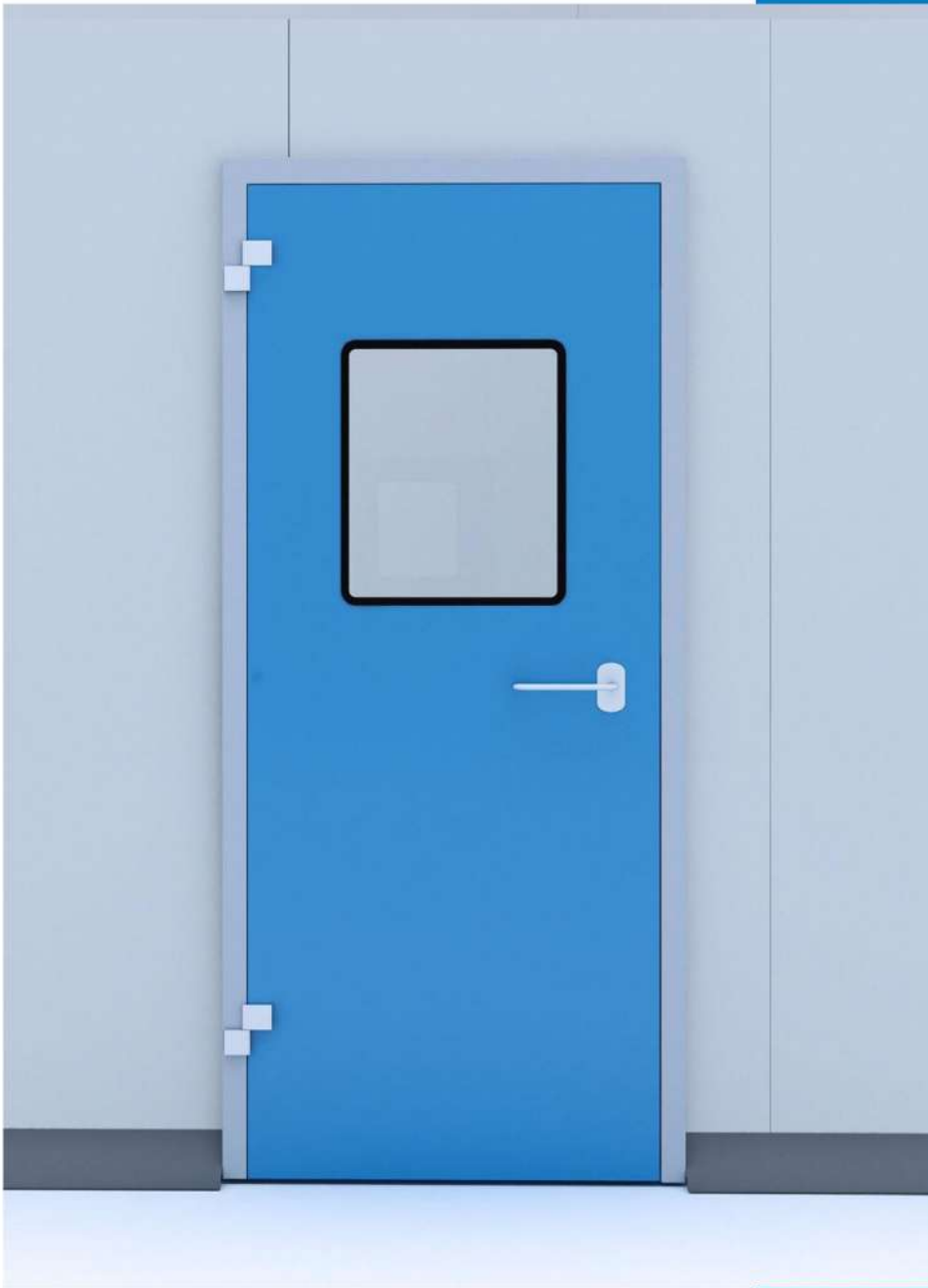


Cleanroom Door

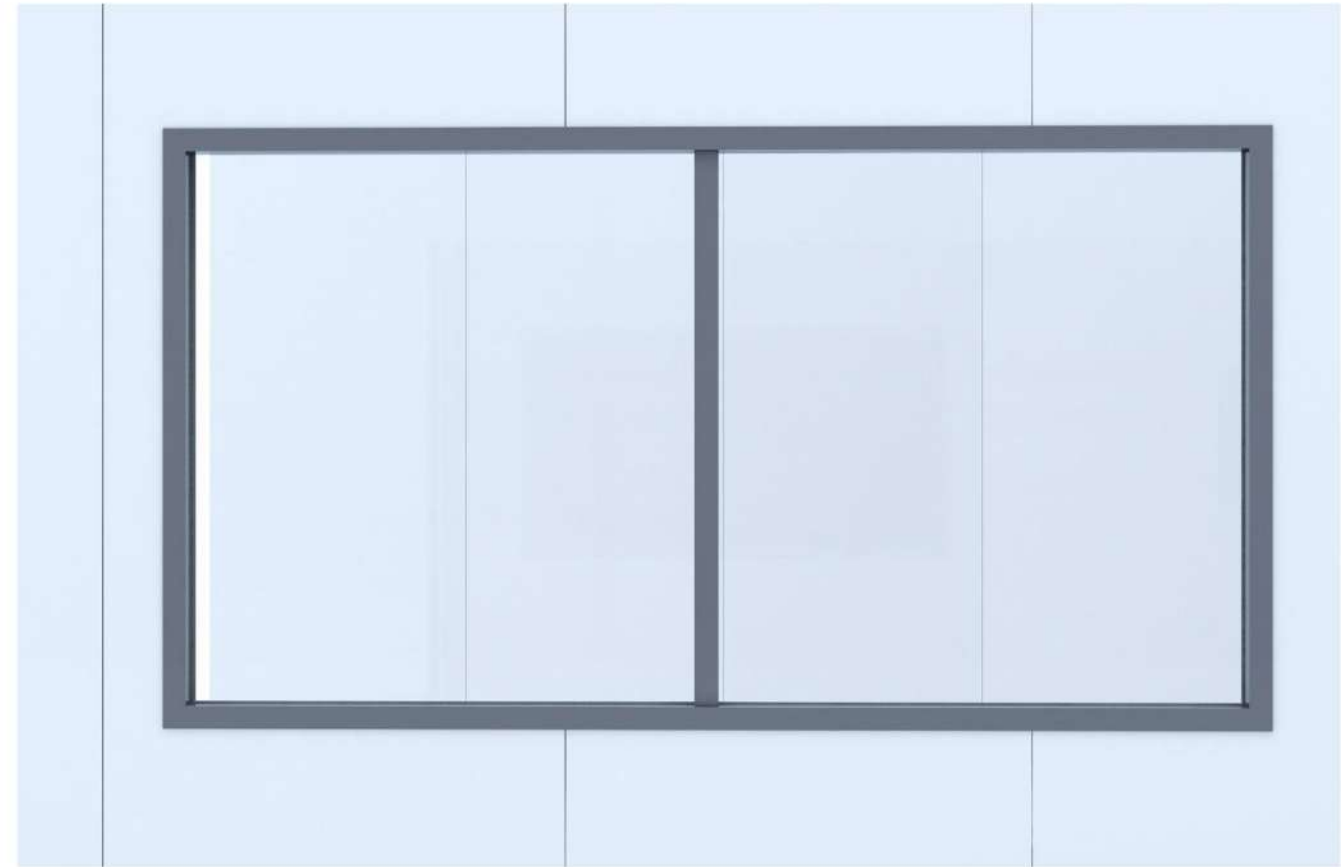
Clean room door type:

Steel door, stainless door, color steel door, melamine resin door.

Core usually use fireproof aluminum honeycomb and paper honeycomb for high strength and smoother surface.



Cleanroom Window



Clean room have various view window with single and double glass, right and circle angle shape. Combine with clean wall panels, integrated view window is easy to install and have better air impermeability.



Parametric Description

Item	Parametric Description
Glass	Tempered glass, fireproof glass, privacy glass
window frame and cover plate	aluminium alloy sections
window thickness	50/75/100mm



THERMAL INSULATION AND ENCLOSURE SYSTEM OF COLD STORAGE



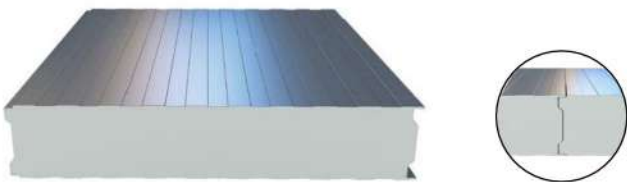
Product feature

Regular panel type

C shape panel



W shape panel



specification data	Item	specification
Panel size	Width	500~1,120mm
	Thickness	30~250mm
	Length	≤ 22m
Skin sheet material	thickness	Color coated steel, stainless steel, Galvalume steel 0.4~0.8mm
	Paint type	PE, HDP, SMP, PVDF
	fireproof grade	B1(Oxygen Index≥ 30%)
(PIR)	Percentage of close area	≥ 90%
	Water absorption	≤ 3%
	Thermal conductivity	0.018-0.021
Applied environment		-60℃ ~+100℃

ep:The weight of the plate is calculated according to the thickness of 50mm

Profile types



L-linear



smooth



corrugated



embossed

Product advantage



Excellent insulation performance

Excellent insulation performance

Coefficient of thermal conductivity among the 0.019 0.022 w/m. k between 25 °C (C),which is the lowest coefficient of thermal conductivity for the practical application of heat preservation material . Continuous foaming technology, using high pressure foaming uniform density, closed pore structure of small bubble hole, bubble hole density can be up to 200000 / cm3, obturator rate is as high as 97% above, bibulous rate is extremely low,which can effectively prevent water vapor permeability, so as to exert its excellent heat preservation and heat insulation performance.



Good fire resistance

Good fire resistance

PIR rigid foam has excellent fire resistance as the coking protective layer will be formed during the combustion process, which will not melt and drip like EPS foam and XPS foam. The flame retardant property can be further improved when composite with metal plate. Combustion performance reached national standard 8624-2012 B1 grade.



Advanced cyclopentane technology

Advanced cyclopentane technology

The use of fluorine-free raw materials for one-time high pressure foaming, no chlorofluorocarbons, zero greenhouse effect, no pollution to the environment, in line with the international ozone layer convention and European environmental standards.



unique airtight technology

unique airtight technology

The unique panel type airtight structure technology makes the adjacent plate joint insulation layer more organically integrated, greatly improving the airtight performance, more suitable for air conditioning storage



energy saving - consumption reducing - environment protection

energy saving -consumption reducing-environment protection

The selection and processing of polyurethane panel, are in strict compliance with national and industrial environmental standards. In the process of use, it is not easy to breed bacteria and parasites, adapt to the cold chain industry in a variety of complex situations and stringent environmental requirements. The cold storage insulation system with proprietary panel type airtight structure technology can integrate the cold storage into an organic whole, achieving absolute airtight, saving energy consumption by 30% and greatly reducing operating costs.

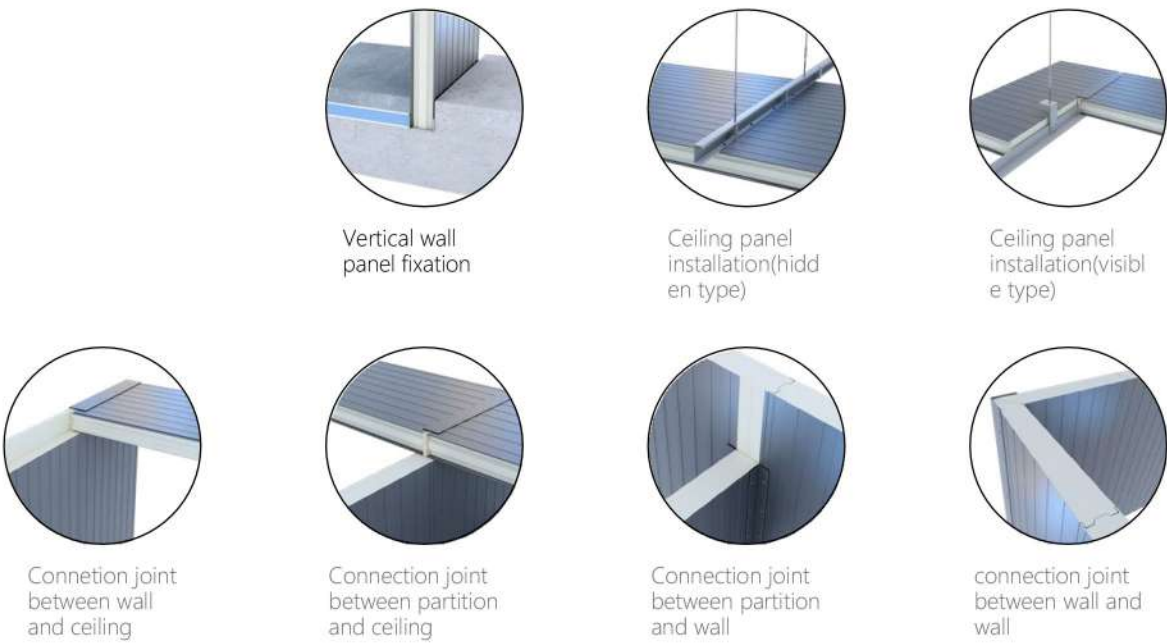


Easy and quick installation

Easy and quick installation

The panel is prefabricated in the factory, and the installation system design is mature to meet the all-weather construction requirements, shorten the installation cycle, and reduce the labor cost and material loss

Total Solution of Cold Storage Cladding System



Applications



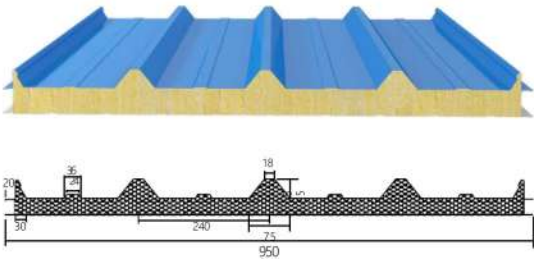
METAL ENCLOSURE SYSTEM



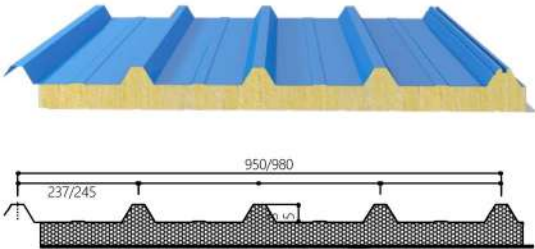
Compiste Panel



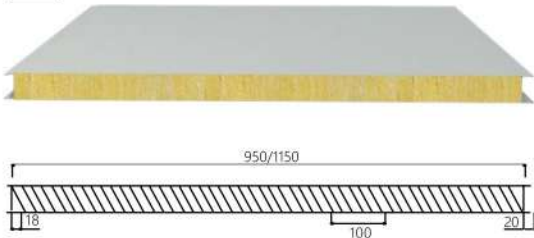
Cap style metal roof panel-950mm width



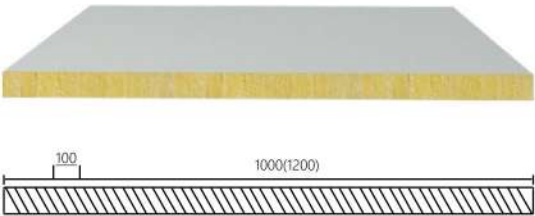
Lap style metal roof panel-950/980mm width



Tongue and groove style metal wall panel-950/1150mm width



Flat style metal wall panel-1000/1200mm width



roof panel

Item (mm)	specification data (mm)
Thickness	50 / 75 / 100 / 150 / 200
Effective width	950 / 980
Length	Length is customized, usually less than 23000mm limited to transportation

wall panel

Item (mm)	specification data (mm)
Thickness	50 / 75 / 100 / 150 / 200
Effective width	950-1150
Length	Length is customized, usually less than 15000mm limited to transportation

Heat transfer coefficient

Item	specification data				
Thickness (mm)	50	75	100	150	200
Heat transfer coefficient (W/m k)	0.749	0.530	0.411	0.268	0.210
Plate (KN/m ²)	0.644	0.456	0.353	0.230	0.181

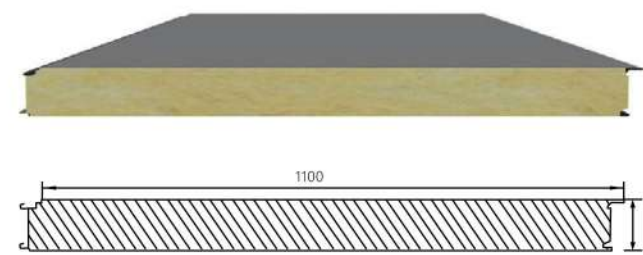
Note: The above parameters are calculated according to 0.6mm steel sheet, rock cotton 130kg / m3, and the glass wire is calculated from 70 kg / m3.

Product feature

- Excellent fire resistance and heat insulation performance/
- Bright color, no need extra decoration /
- Easy and quick installation, greatly shorten the construction period/

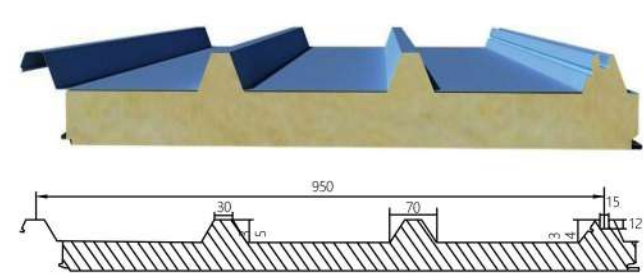
Composite Panel

Australian type fasten hidden wall panel



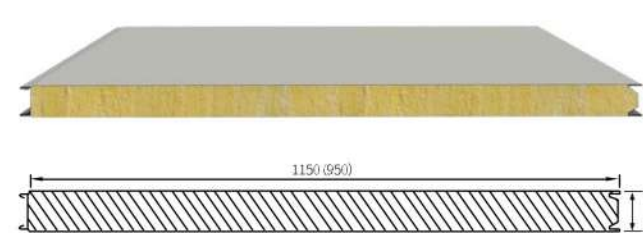
Item	specification data
Feeding width	Outer skin sheet 1200mm Inner skin sheet 1150mm
Thickness	50-100mm
Panel effect	Width, Small ripple, Small ripple, Flat
connetion joint type	gap, No gap
Core	Rock cotton, Glass silk cotton,
Silicone rock board or EPS	

Australian type corrugated roof panel



Item	specification data
Feeding width	Outer skin sheet 1200mm Inner skin sheet 1000mm
Thickness	50-100mm
Panel effect	Hidden four waves
Core	Rock cotton, Glass silk cotton,
Silicone rock board or EPS	

Australian type Z locking wall panel



Item	specification data
Feeding width	Outer skin sheet 1200mm Inner skin sheet 1200mm(1000mm)
Thickness	50-100mm
Panel effect	Width, Small ripple, Small ripple, Flat
Core	Rock cotton, Glass silk cotton,
Silicone rock board or EPS	



Sandwich panels are generally used in large industrial plants, warehouses, gymnasiums, supermarkets, hospitals, cold storages, mobile rooms, cleanrooms and places that need heat insulation and fire prevention

product feature
No cold bridge /
Fireproof grade can reach up to A grade,excellent heat insulation and fire resistance /
Nailing method /
Bright color,no need extral decoration /
Easy and quick installation,greatly shorten the construction period/

Dongying Comprehensive Bonded Area

Prefabricated Metal Plste Series



Erection seam-locked YX56-410-820
formed steel sheet

All kinds of stubborn weather have more and more stringent requirements for the construction steel system. In order to better solve the problems of water leakage caused by heavy rainfall, the roof caused by strong wind, and the damage to the board due to imperfect structure, we have introduced Advanced prefabricated steel roofing system with anti-leakage, stronger pullout resistance and more scientific structure

Plate type advantage

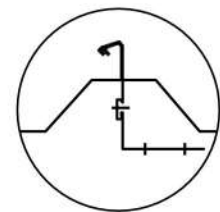
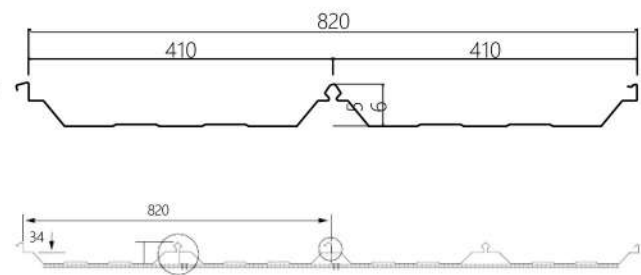
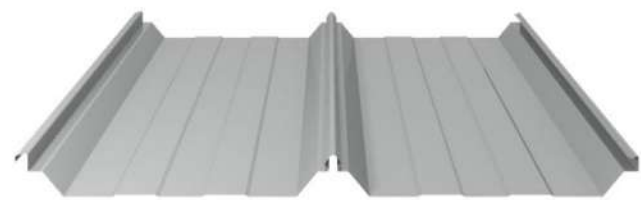
Hidden installation, no screw penetration on the surface, complete occlusion /

fixed with double brackets, the bracket and the board surface have a sliding effect, firm and reliable, and can withstand the influence of changes in expansion at the same time/

using double-layer transportation, the utilization rate is as high as 82 %, economical and practical /

beautiful appearance, suitable for most construction engineering roofs/

Item	specification			
formed sheet type	YX56-410-820			
effective covered width (mm)	820			
spread width (mm)	1000			
steel sheet thickness (mm)	0.400	0.600	0.800	
inertia of section (cm ⁴ /m)	37.53	49.77	62.14	
resistance of section (cm ³ /m)	12.41	16.52	20.59	
usage	hidden type roof panel			



Insertion indication

YX66-470 (U-470) formed steel sheet

The U-470 system is a new version developed on the basis of the American system and combined with the actual situation in China. Some supporting components in the system have been improved, and the advantages of each company have been integrated to make it more perfect.

Plate type advantage

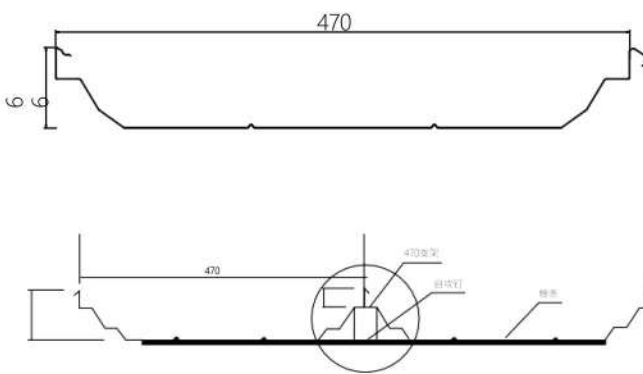
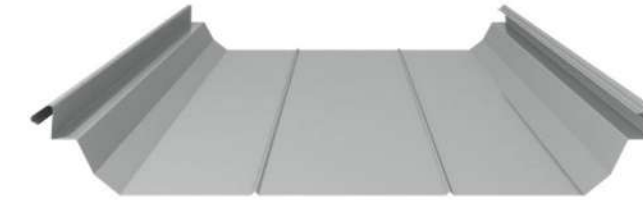
Installation is quick and convenient, and construction is simple. Through the special sliding support, the board and the support fasteners are 360-degree snapped and buckled/

Beautiful appearance, suitable for most construction engineering roofs /

Due to the special treatment of the plate shape, the strength is high, the wind and snow load is strong, and the effective utilization rate reaches 78.3%/

Through the height of the free edge, the rain is completely insulated/

Item	specification			
formed sheet type	YX56-410-820			
effective covered width (mm)	820			
spread width (mm)	1000			
steel sheet thickness (mm)	0.400	0.600	0.800	
inertia of section (cm ⁴ /m)	37.53	49.77	62.14	
resistance of section (cm ³ /m)	12.41	16.52	20.59	
usage	hidden type roof panel			



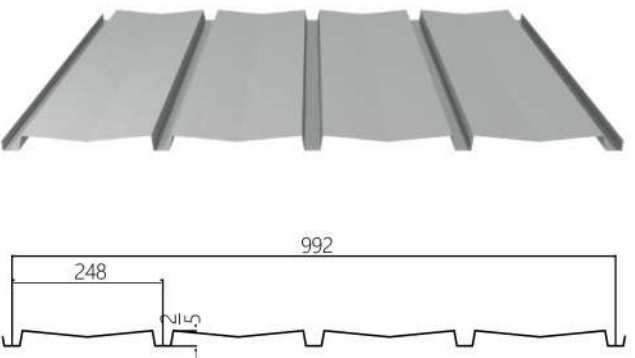
YX25-248-992 formed steel sheet

The unique wave crest allows each wall to form vertical shadows of different depths under natural light, creating a clear line and contoured appearance for the building.

Plate type advantage

The screw is half hidden in the groove /
The unique wave crest allows each wall to form vertical shadows of different depths under natural light, creating a clear line and contoured appearance for the building/
The installation is equipped with a unique nylon head tapping screw, and the color of the wall is coordinated and unified/
Fast and convenient installation, simple construction, convenient for pipeline and line installation /
Light weight, high strength, excellent seismic and fireproof performance /

he effective width is large and the utilization rate is high. After the construction is completed, the bottom of the board is flat, and the web is fit /
Beautiful appearance, color can be selected arbitrarily according to the design image, and a wide range of decorative effects/



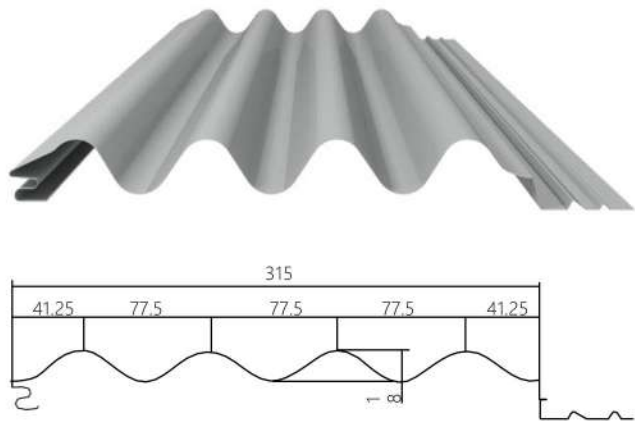
Item	specification			
formed sheet type	YX56-410-820			
effective covered width (mm)	820			
spread width (mm)	1000			
steel sheet thickness (mm)	0.400	0.600	0.800	
inertia of section (cm ⁴ /m)	37.53	49.77	62.14	
resistance of section (cm ³ /m)	12.41	16.52	20.59	
usage	hidden type roof panel			

YX18-77-315 formed steel sheet

It has the characteristics of light weight, high strength, rich color, convenient and quick construction, anti-seismic, fire-proof, rain-proof, no leaking nails, long service life, and maintenance-free.

features

The use of wavy arcs, smooth appearance, fully meet the modern architectural creativity /
Narrow version, nail distance 315mm, high strength, high mechanical properties, and has obvious effects against typhoons/
The appearance is beautiful, and the color can be selected arbitrarily according to the design image. Wide range of decorative effects/
Installation is quick and easy. Installed sequentially from bottom to top, which reasonably solves the problem of water leakage in vertical lap joints/
Used for on-site composite wall, effectively solve the disadvantages of rain and overflow/
The board surface installation is a hidden nailing method, with a simple appearance, eliminating the source of naked nailing and nail holes, and prolonging the life of the board/
The raw material is a 500mm feed, which is exactly two equal parts of a one-meter wide board, and the materials are used rationally/



Item	specification			
formed sheet type	YX56-410-820			
effective covered width (mm)	820			
spread width (mm)	1000			
steel sheet thickness (mm)	0.400	0.600	0.800	
inertia of section (cm /m)	37.53	49.77	62.14	
resistance of section (cm /m)	12.41	16.52	20.59	
usage	hidden type roof panel			

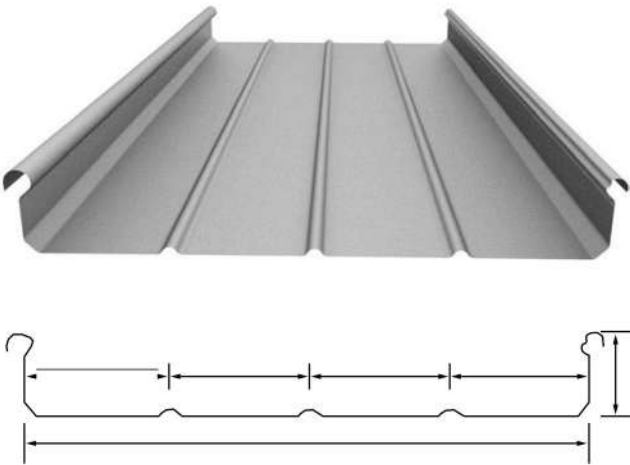
Aluminum-magnesium-manganese

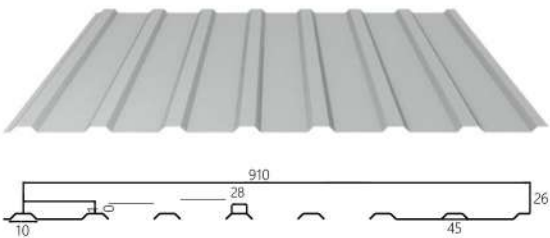
Aluminum-magnesium-manganese is an alloy of metal aluminum-metal-magnesium-metal-manganese. Due to its moderate structural strength, weather resistance and stain resistance, it is easy to bend and welded. It is generally recognized as a building design with a service life of more than 50 years. High-quality metal roofing materials

The aluminum-magnesium-manganese alloy roofing system is very suitable for the complex and changeable roofs of novel large-scale industrial, commercial and civil buildings. It is waterproof, energy-saving, beautiful and durable, and can be produced on-site.
The system is also equipped with fixed seat node standard parts and supporting decorative snow-retaining and anti-falling systems, so it is widely used in sports venues, convention and exhibition centers, theaters and museums, airports, railway stations and other cultural and transportation facilities, as well as commercial buildings, civil housing and other building roofs.

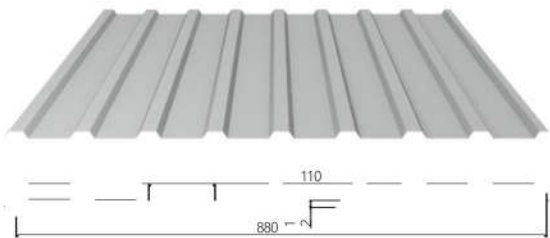
Hongxinyuan YX65-300/328/400/425/500 series straight plate and small head CNC forming unit is one of the important assembly line equipment in the metal rolling machinery industry

The entire unit can be transported inside the container, and the equipment configured in the unit can meet all the needs of on-site roll processing, forming a complete on-site processing system.

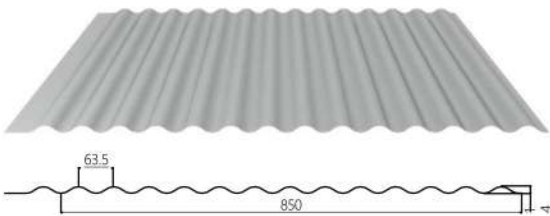




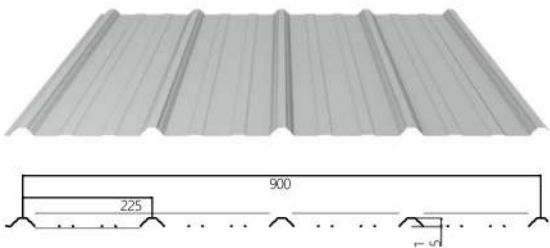
YX10-130-910 (1040) type	
effective covered width (mm)	910/1040
spread width (mm)	1000/1200
thickness (mm)	0.4-0.8
usage	Roof lining board, wall panel, Packaging board



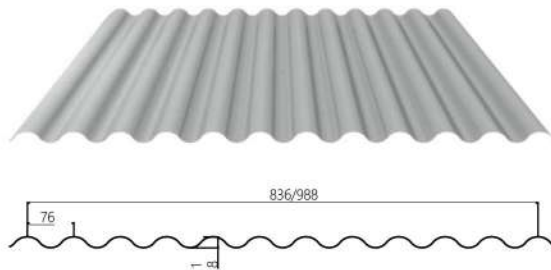
YX12-110-880 type	
effective covered width (mm)	880
spread width (mm)	1000
thickness (mm)	0.4-0.8
usage	Roof lining board, wall panel, Packaging board



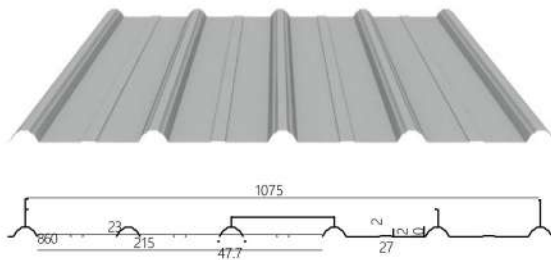
YX14-63.5-850 (ARC) type	
effective covered width (mm)	850
spread width (mm)	1000
thickness (mm)	0.4 0.7
inertia of section (cm /m)	1.84 2.25
resistance of section (cm /m)	2.04 2.50
usage	roof panel



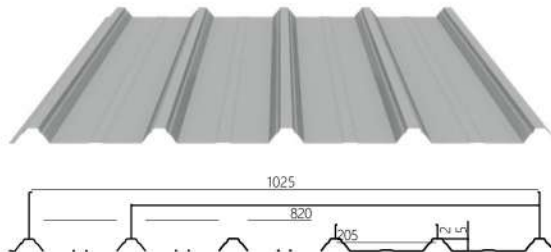
YX15-225-900 type	
effective covered width (mm)	900
spread width (mm)	1000
thickness (mm)	0.4-0.8
usage	roof , wall panel



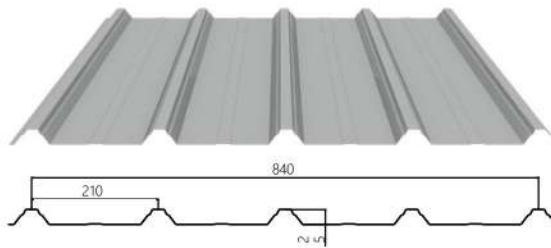
YX18-76-836/988 (ARC) type	
effective covered width (mm)	836/988
spread width (mm)	1000/1200
thickness (mm)	0.4 0.8
inertia of section (cm /m)	2.45 2.94
resistance of section (cm /m)	2.57 3.07
usage	roof , wall panel



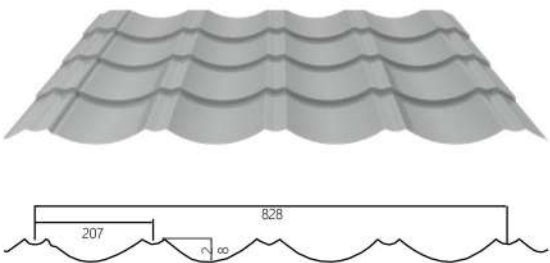
YX20-215-860 (1075) type	
effective covered width (mm)	860/1075
spread width (mm)	1000/1200
thickness (mm)	0.5 0.6 0.80
inertia of section (cm /m)	8.01 10.74 14.02
resistance of section (cm /m)	3.62 5.92 7.98
usage	roof , lining, wall panel



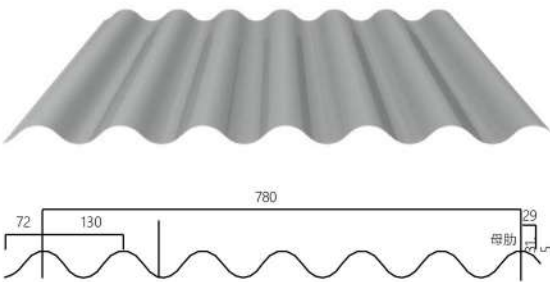
YX25-205-820/1025 type	
effective covered width (mm)	820/1025
spread width (mm)	1000/1200
thickness (mm)	0.5 0.6 0.8
inertia of section (cm /m)	9.18 10.76 14.59
resistance of section (cm /m)	4.68 5.62 7.47
usage	roof , wall panel



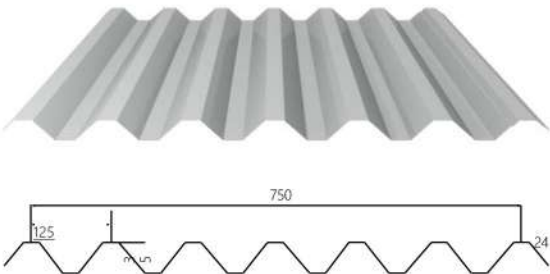
YX25-210-840 type	
effective covered width (mm)	840
spread width (mm)	1000
thickness (mm)	0.4-0.8
usage	roof , wall panel



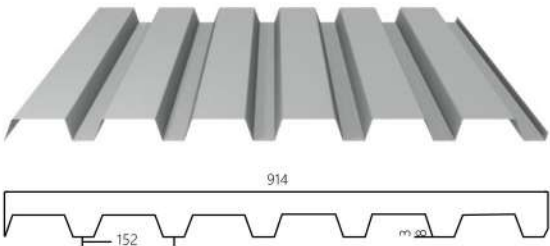
YX28-207-828			
effective covered width (mm)	828		
spread width (mm)	1000		
thickness(mm)	0.4	0.8	
inertia of section (cm ⁴ /m)	14.8	17.76	
resistance of section (cm ³ /m)	12.32	14.76	
usage	roof pane		



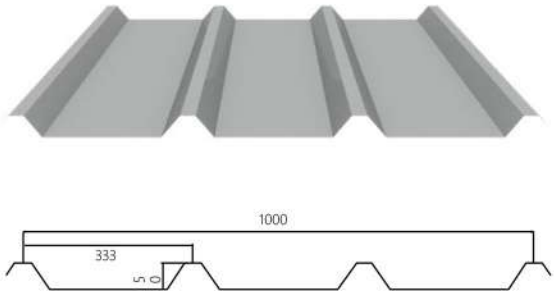
YX31.5-130-780			
<hr/>			
effective covered width (mm)			780
spread width (mm)			1000
thickness (mm)		0.4	0.8
inertia of section (cm ⁴ /m)		7.2	8.64
resistance of section (cm ³ /m)		4.64	5.55
<hr/>			
usage			roof panel



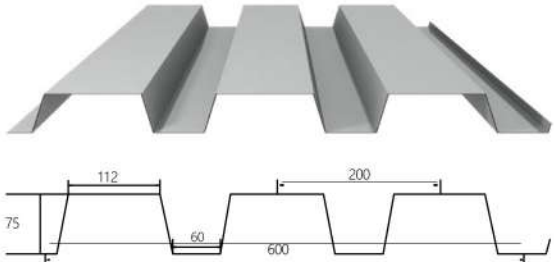
YX35-125-750 (V125)			
effective covered width (mm)			750
spread width (mm)			1000
thickness (mm)	0.4	0.8	
inertia of section (cm ⁴ /m)	11.54	13.85	
resistance of Section (cm ³ /m)	6.23	7.48	
usage	roof panel		



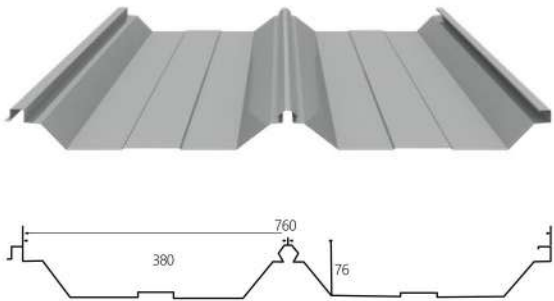
YX38-152-914 type			
effective covered width (mm)	914		
spread width (mm)	1200		
thickness (mm)	0.5-1.5		
usage	roof 、 wall panel		



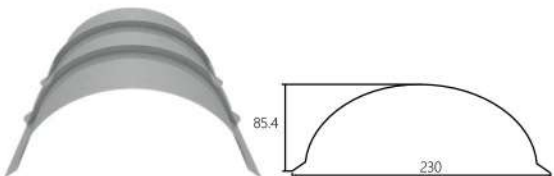
YX50-333-1000 type			
effective covered width (mm)			1000
spread width (mm)			1250
thickness (mm)		0.4	0.6
inertia of section (cm ⁴ /m)		12.32	14.75
resistance of section (cm ³ /m)		7.98	9.24
usage			roof 、 wall panel



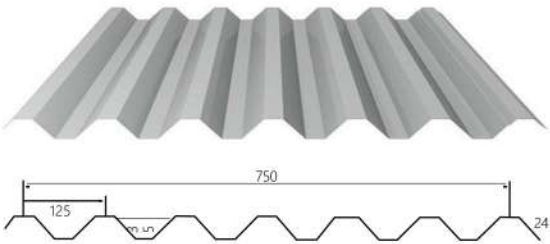
YX75-200-600 type			
effective covered width (mm)	600		
spread width (mm)	1000		
thickness (mm)	0.8-1.2		
usage	roof 、 wall panel		



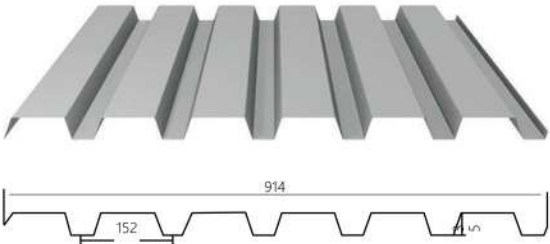
YX76-380-760 type			
effective covered width (mm)	760		
spread width (mm)	1000		
thickness (mm)	0.6	0.8	1.0
inertia of section (cm ⁴ /m)	37.27	49.69	62.11
resistance of section (cm ³ /m)	12.29	16.39	20.48
usage	hidden type roof panel		



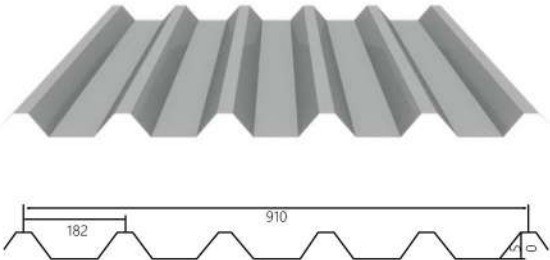
R85. 4-168-230 type			
effective covered width (mm)			230
spread width (mm)			315
thickness (mm)	0.4	0.7	
inertia of section (cm ⁴ /m)	8.69	11.26	
resistance of section (cm ³ /m)	4.23	5.32	
usage			roof panel



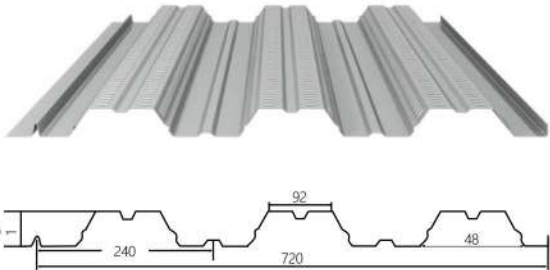
YX35-125-750 type (V125)				
effective covered width (mm)	750			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.2	
inertia of section (cm ⁴ /m)	18.13	22.67	26.86	
resistance of section (cm ³ /m)	9.69	12.05	17.24	



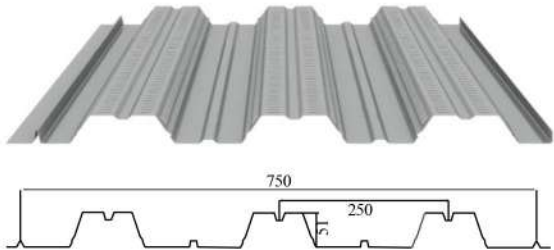
YX38-152-914 type				
effective covered width (mm)	914			
spread width (mm)	1200			
thickness (mm)	0.5	1.0	1.5	
inertia of section (cm ⁴ /m)	8.57	10.21	16.61	
resistance of section (cm ³ /m)	9.45	12.56	21.76	



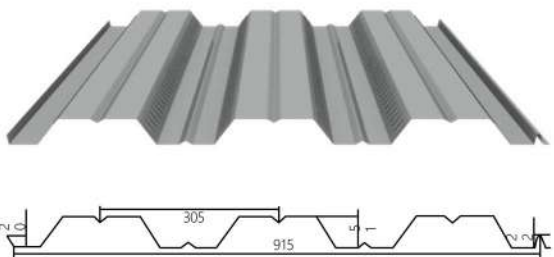
YX50-182-910 type				
effective covered width (mm)	910			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.2	
inertia of section (cm ⁴ /m)	56.73	64.97	80.13	
resistance of section (cm ³ /m)	60.28	71.26	85.69	



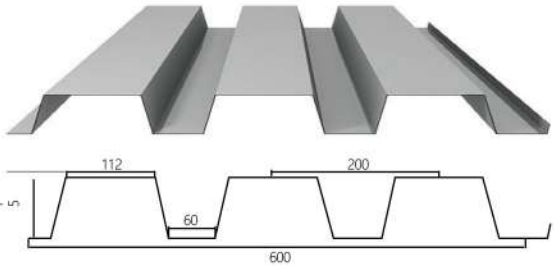
YX51-240-720				
effective covered width (mm)	720			
spread width (mm)	1000			
thickness (mm)	0.8	1.0		
inertia of section (cm ⁴ /m)	51.64	64.55		
resistance of section (cm ³ /m)	16.56	20.70		



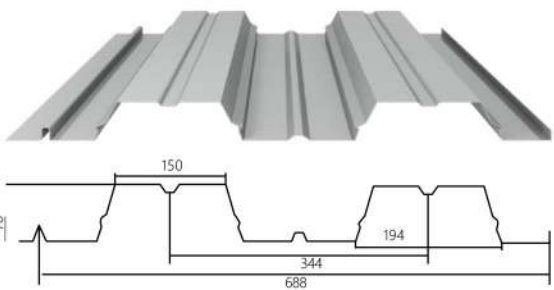
YX51-250-750 type				
effective covered width (mm)	750			
spread width (mm)	1000			
板厚 (mm)	0.8	1.0	1.2	
截面惯性矩 (cm ⁴ /m)	8.37	10.47	12.56	
截面抵抗矩 (cm ³ /m)	10.98	13.53	16.48	



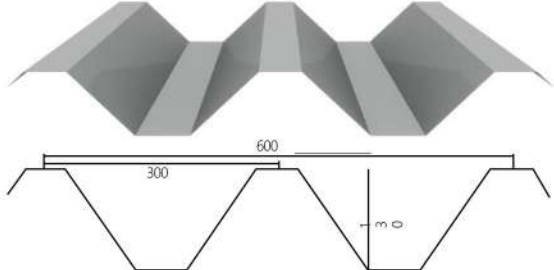
YX51-305-915 type				
effective covered width (mm)	915			
spread width (mm)	1140			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	51.90	68.60	76.50	
resistance of section (cm ³ /m)	16.20	22.10	28.10	



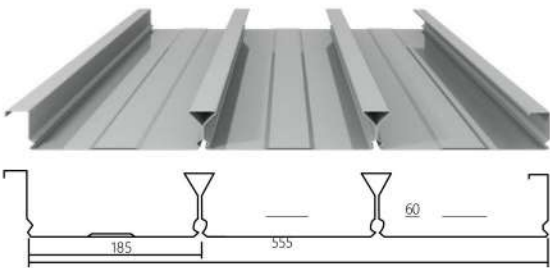
YX75-200-600 type				
effective covered width (mm)	600			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.2	
inertia of section (cm ⁴ /m)	89.9	119.3	151.84	
resistance of section (cm ³ /m)	21.95	29.99	39.39	



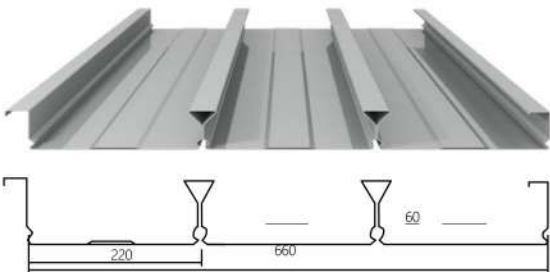
YX76-344-688 type				
effective covered width (mm)	688			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.2	
inertia of section (cm ⁴ /m)	119.50	148.20	180.10	
resistance of section (cm ³ /m)	28.54	35.68	42.83	



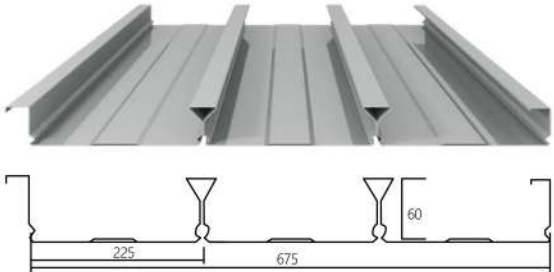
YX130-300-600 type				
effective covered width (mm)	600			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.2	
inertia of section (cm ⁴ /m)	241.49	358.09	441.34	
resistance of section (cm ³ /m)	36.31	52.71	63.95	



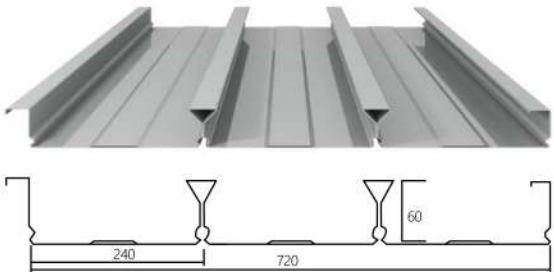
YXB60-185-555 type				
effective covered width(mm)	555			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	86.68	115.74	138.98	
resistance of section (cm ³ /m)	18.90	25.03	29.87	



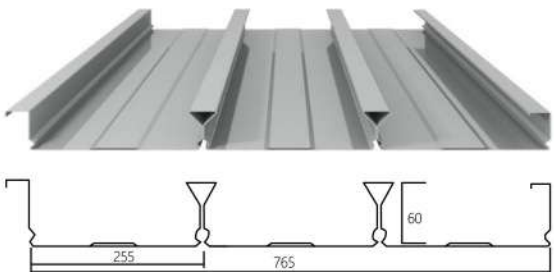
YXB60-220-660 type				
effective covered width(mm)	660			
spread width (mm)	1100			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	101.35	126.54	152.91	
resistance of section (cm ³ /m)	17.74	23.64	29.35	



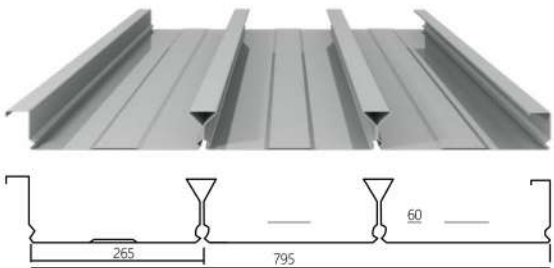
YXB60-225-675 type				
effective covered width(mm)	675			
spread width (mm)	1120			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	61.077	76.35	91.629	
resistance of section (cm ³ /m)	31.566	39.28	46.901	



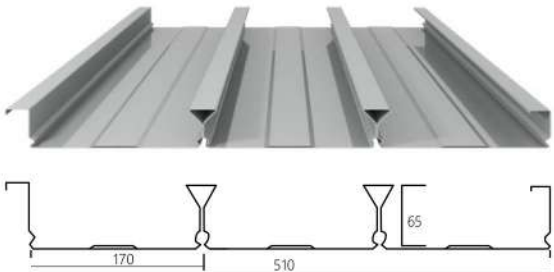
YXB60-240-720				
effective covered width(mm)	720			
spread width (mm)	1175			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	83.50	104.30	126.00	
resistance of section (cm ³ /m)	21.30	25.90	29.80	



YXB60-255-765				
effective covered width(mm)	765			
spread width (mm)	1220			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	71.21	85.86	106.29	
resistance of section (cm ³ /m)	39.89	43.15	47.88	



YXB60-265-795				
effective covered width(mm)	795			
spread width (mm)	1250			
thickness (mm)	0.8	1.0	1.5	
inertia of section (cm ⁴ /m)	98.88	124.32	148.33	
resistance of section (cm ³ /m)	22.43	27.98	33.72	



YXB65-170-510				
effective covered width(mm)	510			
spread width (mm)	1000			
thickness (mm)	0.8	1.0	1.2	
inertia of section (cm ⁴ /m)	98.60	132.35	186.68	
resistance of section (cm ³ /m)	22.41	28.01	33.61	

ASSEMBLY BUILDING SYSTEM

The prefabricated integrated house base on standard container, like building blocks, it can be combined in horizontally or vertically. The spatial layout is flexible and function is prefabricated, it realizing the diversification of use functions and application fields.

Prefabricated integrated houses can be quickly combined into integrated buildings with different styles according to different purposes and functions, such as hotel, residential, school, dormitory, workshop, warehouse, exhibition hall and so on, become a new green environmental protection building.



Six Advantages:

Standard container

Based on the standard container in designing, it can meet the basic living and office needs, and can also be customized according to customer requirements, with various specifications.

Good looking Appearance

Pipes and wires embedded in the wall, flexible layout

Safe and durable

Designed by steel frame structure, the structure is constructed of special cold-formed galvanized steel, the maintenance materials are used non combustible materials.

Heat preservation sound insulation

Sandwich panel used, good heat preservation, moisture proof, heat insulation.

Energy-saving economic

It can be reused and easy disassembly, excellent disassembly performance, low loss.

Convenient installation and transportation

It can be transported as a whole or split. Water circuit integration with decoration, all prefabricated in the factory without secondary decoration.

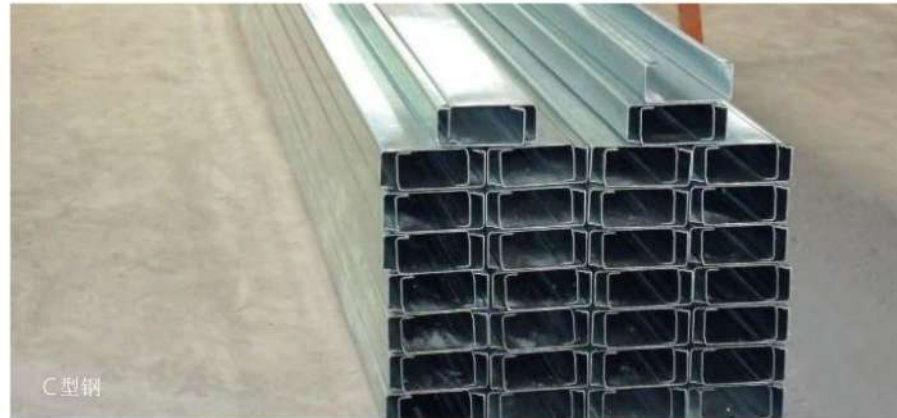
STEEL STRUCTURE BUILDING SYSTEM



A variety of products are available

Since its establishment, hongxinyuan steel structure has always adhered to the quality control of raw material procurement. At present, hongxinyuan steel structure has reached strategic cooperation with domestic first-class steel plants such as Shougang and Handan Iron on supply of first-class quality standards for raw materials of steel structures such as hot-rolled coil, medium and heavy plate and H-beam, so as to effectively ensure the safety and appearance quality of component structures.

Production raw materials are hot-dip galvanized $\geq 275\text{g} / \text{m}^2$ or above, Q345 high and mild steel strip, high standard hot-dip galvanizing treatment, excellent anti-corrosion performance, and standing inventory of more than 5000 tons. CNC drilling, high machining accuracy, combined with optimized interface design and continuous lap design, meets the requirements of long-span design, safe, light and convenient installation.



STEEL PLATE TRADE CIRCULATION SYSTEM

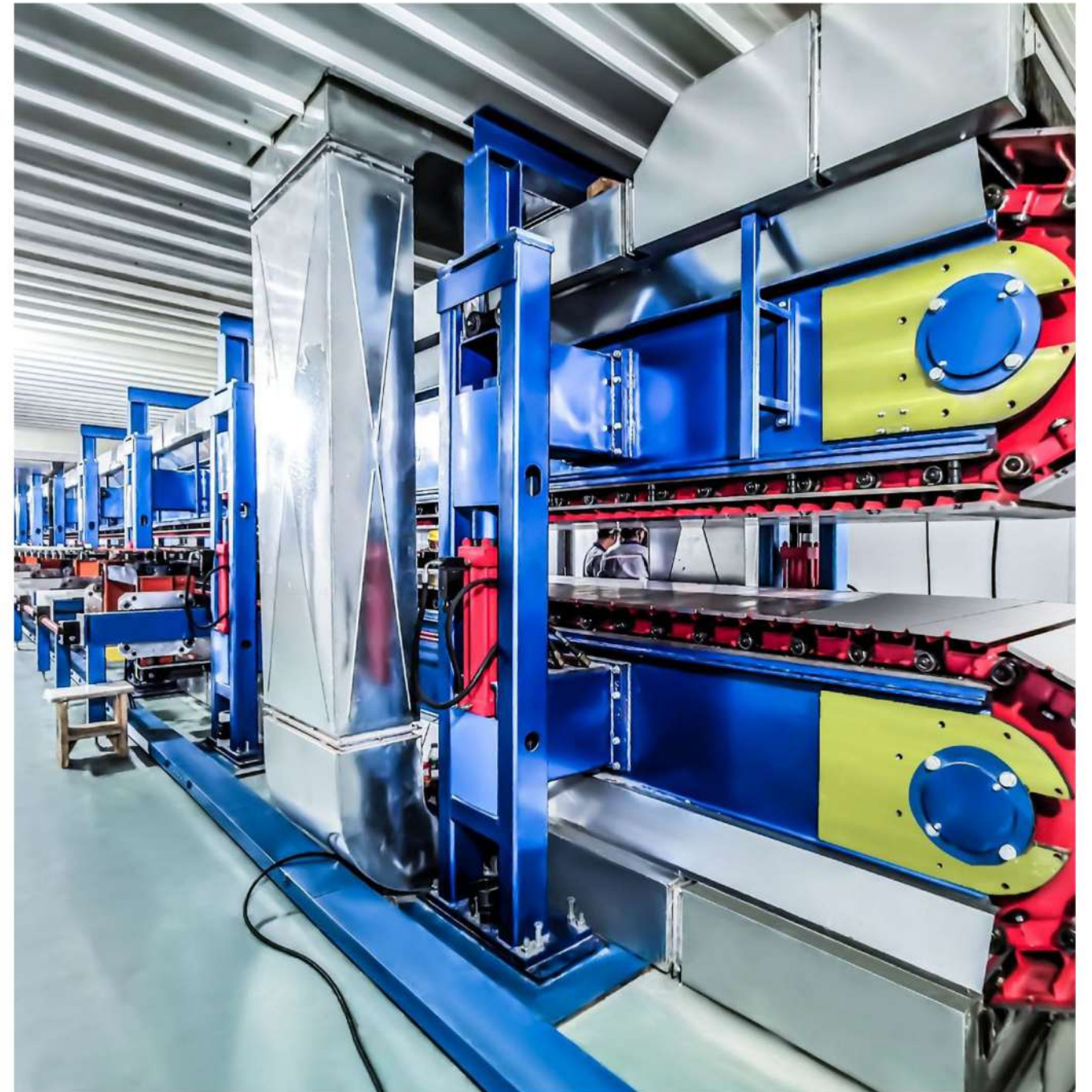
BRDECO is the first-class agent dealer of color coated plate and AZ plate of Shougang Jingtang, Henan Zhengzhou, Linqing Hongji, Tianjin Xinyu, Henan Xuchang and other brands. It is the brand direct supplier of Bluescope, Shanghai Baosteel, Changshu Yieh Phui, Hebei Iron and other companies. The products are widely used in industrial manufacturing, automobile manufacturing, machinery and electronics, modern pasture, logistics, warehousing and other fields. The annual inventory of color coated plates is 10000 tons and the sales volume is 15000 tons / year. The products are sold to more than 20 provinces in China.

STRENGTH GUARANTEE



Energy Saving Board Production Line

Italy PUNA production line, European advanced polyurethane core production process, Seven component field foaming technology, ensure stable product performance, the super long double track ensures the flatness of surface.



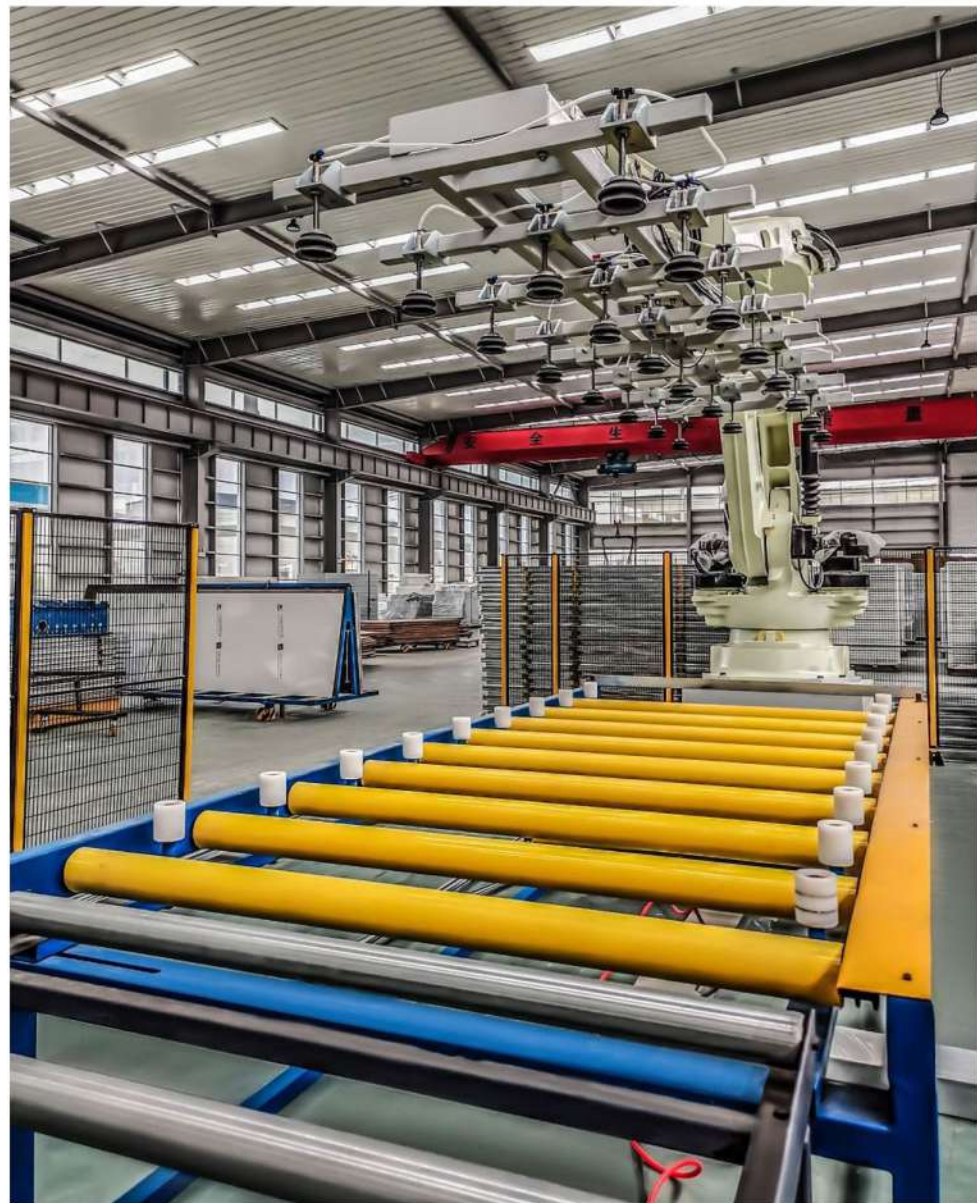
Cold Storage Plate Production Line

The advanced equipment and technology of Italian OMS are introduced into cold storage board production lines, and the double tracks length is 36 meters. Ultra-long double rails provide sufficient curing reaction time for polyurethane foaming, which greatly improve the adhesion and formability of the board. The equipment can produce ultra-thick cold storage plates of 250 mm, which can meet the special needs of customers for low-temperature environment. Advanced polyurethane pentane foaming process cancels the original foaming agents F 11 and 141 B, which not only has better foaming quality, but also realizes zero fluorine emission in the production process.



Cleanroom Panel Production Line

Clean board continuous production system has the leading level in the industry, including: roll forming system, automatic continuous cotton system, automatic glue spraying system, dual-track qualitative and temperature control system, robot stacking system, control system, etc. The system has high automation degree, fast processing efficiency, stable product quality, and the maximum production capacity reaches 2 million m^2 /year. Clean boards with various core materials can be produced, and the production efficiency is 6-8 times of that of traditional manual boards.

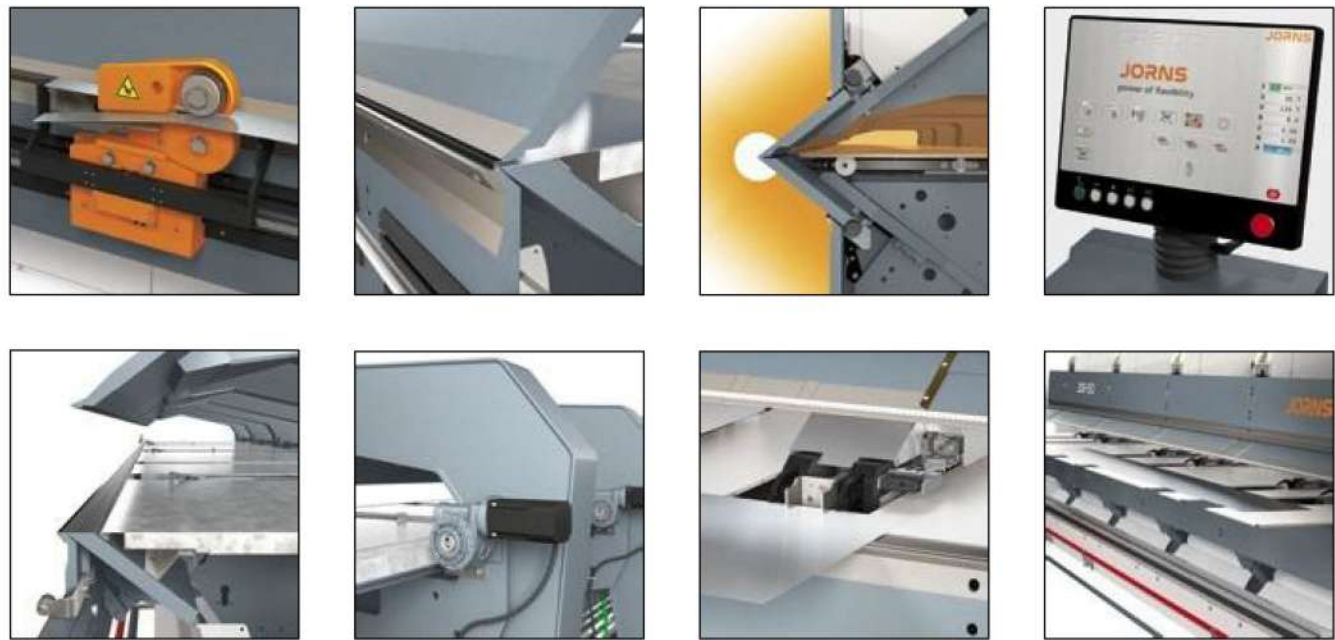


JORNS Bending Machine



JORNS AG bending machine, intelligent "zero error", fully automatic, simulated animation, high-precision servo control. A variety of conical plates can be processed at the same time, and a variety of shapes can meet the different bending requirements of customers. Nothing is impossible but unexpected.

JORNS



Material testing center

The company has built a first-class material testing center laboratory, equipped with more than 30 sets of professional equipment, dedicated to the physical, mechanical and combustion performance testing of raw and auxiliary materials and finished products related to the enclosure system and the research and development of new products, and implemented the international standard operation specifications. Product quality control is divided into raw material inspection, auxiliary material inspection, product inspection, laboratory inspection and other work modules, which truly realize seamless quality control from raw materials entering the factory, production links to finished product inspection, and ensure stable product quality.



PARTNERS



PROJECT CASES



PROJECT CASES



Altai Auto Accessories



Datang Guodian



Zhengzhou Eastern
Environmental Protection

郑州(东部)环保能源工程



Great Wall