

GLOSTAR PANEL BUILDING

- High-end metal curtain walling systems
- Building envelope systems
- Cleanroom systems
- Cold Storage Systems
- Interior Fit-Out Systems
- Steel structure

Shandong Glostar Panel Building Co., Ltd.

Headquarter of group

Jinan Jidong Headquarters

Intelligent manufacturing base

No.377 Gaoqi Road,Binzhou High-tech Industrial Development Zone

No.99 Zhihe Road,Xuancheng National Economic and Technological Development Zone

www.glostar-panel.com



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Company Introduction

Shandong Glostar Panel Building Co., Ltd. (hereinafter referred to as "Glostar Panel"), as an integrated service provider of green building new materials, specializes in the R&D, design, manufacturing, application, and technical consultation of prefabricated metal integrated insulated curtain wall systems, architectural metal envelope systems, cleanroom enclosure systems, interior metal ceiling and wall systems, as well as steel structure prefabrication production lines. Headquartered in Jinan Jidong Headquarters, the Group operates two major intelligent manufacturing bases in Binzhou (Shandong) and Xuancheng (Anhui), equipped with a forward-looking technology center and a CNAS-accredited laboratory, establishing itself as an innovative enterprise dedicated to the sustainable development of metal building envelope systems.

Moving forward, Glostar Panel will continue to uphold its core values—"Integrity in character, diligence in action, and excellence in quality to shape the future"—to create green buildings and redefine living spaces.

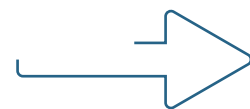
Future architecture will give GloStar more challenges, and opportunities as well to explore more diversified architectures, which will be GloStar's mission and responsibility!



Credits and Responsibilities

- National Specialization Special New "Little Giant" Enterprise
- National High-Tech Enterprise
- China Steel Structure Association Technology Innovation Award
- China Construction Metal Structure Association Science and Technology Award
- Top 10 companies in the comprehensive competitiveness list of the construction metal house (wall) industry (for many consecutive years)
- China Construction Metal Structure Association 5A Integrity Enterprise
- Golden Prize, Silver Prize of Jin Yu Award (won by multiple projects)
- Participating editor of National Standard of "Metal Sandwich Panel Building Structure"
- Participating editor of National Standard of "Profiled Metal Plate Building Structure"
- National Standard Co-editor Unit for "Metallic Faced Insulated Core Panels for Construction Use"
- National Standard Co-editor Unit for "GBT21086 Building Curtain Wall"
- National Standard Co-editor Unit for "Design Standards for Cleanroom Buildings in the Pharmaceutical Industry"
- National Standard Co-editor Unit for "Construction of Cleanroom Buildings"

High-end Metal Curtain Walling Systems



01

Framed Metal Integrated
Insulation Curtain Wall System

02

modular metal thermal
insulation curtain wall system

04

Operable Unitized Metal
Curtain Wall System

03

Honeycomb metal
curtain wall system

05

Customized metal thermal
insulated curtain wall system

Systematic Advantages

Four outstanding performance indicators for curtain wall

Superior air and water tightness, with outstanding resistance to wind pressure and inter-story deformation—effectively enhancing building performance while reducing energy consumption. Achieving Class 4 air tightness, Class 5 water tightness, Class 9 wind load resistance, and Class 5 in-plane deformation resistance.

A 25% increase in thermal insulation

Class A fire resistance, exceptional thermal insulation performance, durable, moisture-resistant, non-powdering, and long-lasting insulation efficiency for extended service life.

Installation period is down by 37%

Prefabricated modular assembly, enabling individual disassembly and reuse, reducing on-site steel consumption—delivering low-carbon, eco-friendly, and sustainable performance.

A 45% increase in visual effect

Rich metallic textures and colors, capable of achieving diverse material and finish effects, including self-cleaning functionality. Available in oversized panels with exceptional flatness and a sleek, mirror-like finish—simple yet striking. High resistance to deformation ensures a lasting, vibrant appearance with no warping over time.

Providing systematic solutions for projects requiring special details

Tailored integrated solutions customized to client needs: flexible design, personalized schemes, diverse options.

- Integration of Decoration & Insulation
- Integration of Installation Systems
- Integration of Interior & Exterior Cladding
- Integration of Window & Wall Systems
- Integration of Operable Sections in Metal Curtain Walls
- Integration of Lighting & Curtain Wall Systems

TopAlliance

Product Applications



Educational Buildings



Transportation and sports facilities



Research and medical buildings



Local iconic industrial buildings



Commercial and exhibition buildings



NS/HP/FP

Standardized metal integrated insulation curtain wall system

Excellent performance



NS standardized metal integrated insulation curtain wall system

Box-shaped geometry with flanges on 4 sides and multiple sealings
End openings are fully wrapped to enhance structural closure so that it is thermally broken, air-tight, and waterproof, and a longer service life is achieved.

Clamping fixation
Since the fastener does not penetrate the panel surface, damage caused by penetration is avoided, and the thermal expansion and contraction of the wall during temperature changes can also be accommodated.

Individual panels are independently replaceable and recyclable and can be placed in different orientations.
It can be arranged in various ways: horizontally, vertically, and diagonally. Vertical installation allows for a patented top-down installation process.

Superior wind and impact resistance
Customized profiles with built-in thermal breaks have higher wind resistance and high flatness and are highly resistant to plane deformation.



HP standardized metal integrated insulation curtain wall system

Upgraded fabrication process for better wind resistance
Tough and durable panels and core materials are tightly glued together to deliver outstanding thermal performance and wind resistance.

Empty chambers are enclosed inside the thermal break aluminum profiles for sound deafening effect.
Rigid structure, great surface flatness, vertical isotherm structure and much less heat conduction.

Light and yet elegant, easy for designers to handle
HP series can accommodate different types of decorative effects and are inherently environmentally friendly.



FP standardized metal integrated insulation curtain wall system

Exceptional and more energy efficient
The core material is tightly sealed between surface panels to ensure thermal insulation. In addition, multiple seal rubbers are built inside for better air and water tightness, potentially resulting in better energy efficiency.

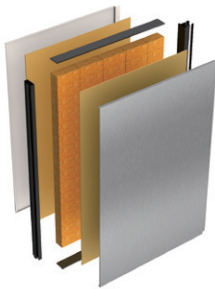
Thermal break aluminum serves as a foundation for outstanding thermal performance
The whole panel is surrounded by thermal break aluminum profiles which prevent heat-conducting channels.

Fixed by slide rail versatile forms
Thanks to the penetration-free installation, a certain amount of thermal expansion and contraction is permitted, ensuring perfect flatness under all weather conditions.

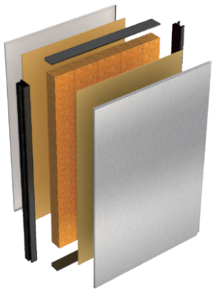
Technical specifications

	Panel thickness (mm)	Weight (kg/m²)	Thermal conductivity (W/m².k)	Flexural Capacity (kN/m²) (Span Length: 2000mm)
NS	60 / 80 / 100 / 120	15 / 17.6 / 20.25 / 22.9	0.6 / 0.46 / 0.38 / 0.32	2.6 / 3.7 / 4.8 / 5.7
HP	60 / 80 / 100 / 120	14.4 / 17.1 / 19.65 / 22.28	0.6 / 0.46 / 0.38 / 0.32	2.5 / 3.6 / 4.5 / 5.4
FP	60 / 80 / 100 / 120	15 / 17.6 / 20.25 / 22.9	0.62 / 0.48 / 0.4 / 0.34	2.55 / 3.65 / 4.65 / 5.55

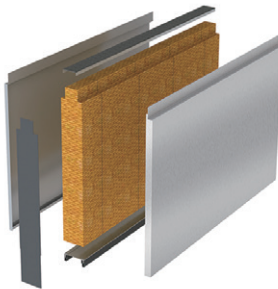
Standardized production	500mm ≤ L ≤ 10000mm	200mm ≤ W ≤ 1200mm
Customized production	L ≤ 12000mm	W ≤ 1600mm
Thickness	50mm, 60mm, 75mm, 80mm, 100mm, 120mm (customer specified)	
Thickness of the exterior surface	0.7-1.2mm	
Thickness of the back surface	0.5-1.2mm	
Surface panel material	Pre-coated aluminum sheet/ stainless steel/ pre-coated SS/Titanium Zinc	
Back surface material	Pre-coated aluminum sheet	
Core material	Premium hydrophobic rockwool	
Adhesive	Two-component Polyurethane adhesive	
Coating material	LUXACOTE/ PVDF/ POLYESTER/customer specified	
Color	RAL Classic colors can be provided depending on design requirement	
Flame-spread classification	Class I (BSI BS476 section 7)	
Surface fire resistance	Class A	



NS



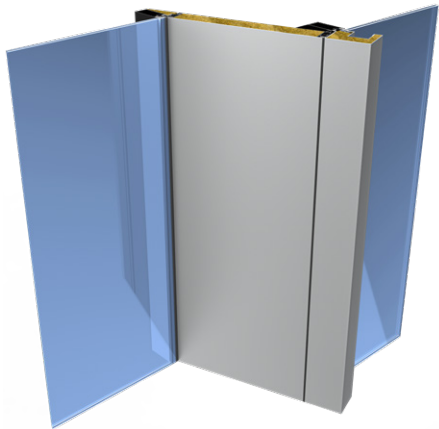
HP



FP

Framed metal integrated insulation curtain wall system

Special features



- ① Engagement can be done on all 4 sides
- ② Predesigned pressure equalized cavity for water drainage
- ③ Multi-directional precise adjustment
- ④ Integrated installation of windows

Panel specification	80mm, 100mm, 120mm (or other customized requirements)
Exterior surface material	Pre-coated aluminum sheet/steel sheet/Titanium Zinc/copper sheet/ stainless steel
Exterior surface thickness	0.7-1.2mm
Surface coating	Depending on customer requirement
Coating color	RAL Classic colors can be provided depending on design requirement
Back surface material	Pre-coated aluminum sheet/steel sheet/Titanium Zinc/copper sheet
Back surface sheet thickness	0.5-1.2mm
Core material	Premium hydrophobic rockwool
Shape	Standard flat panel and panels with non-standard shapes

Modular metal thermal insulation curtain wall system

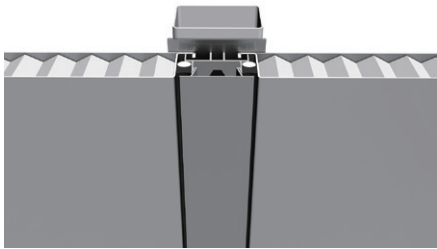
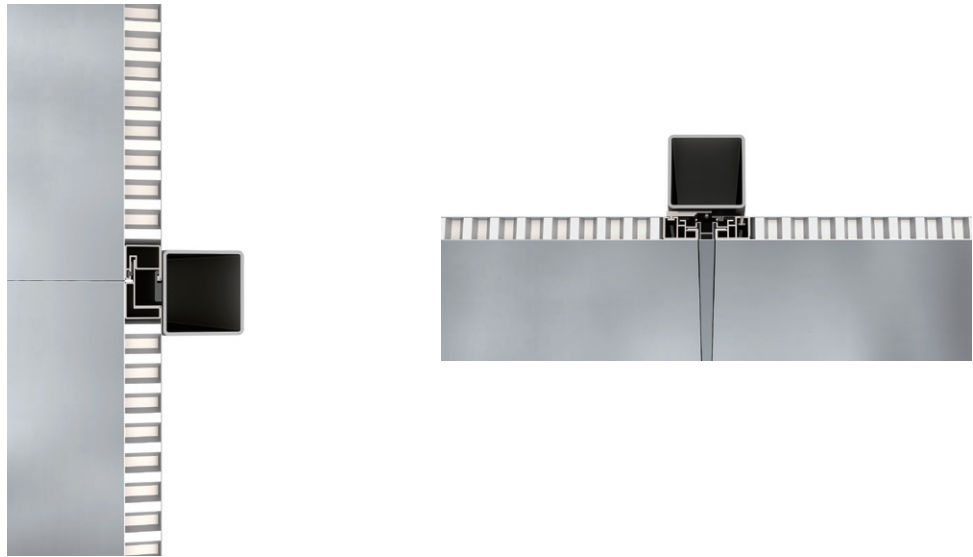
Special features

- ① Waterproofing and drainage mechanism of equi-pressure cavity
- ② Built-in keel for wind resistance without secondary structure
- ③ Synchronous construction for the main project and the curtain wall installation
- ④ Panels are replaceable and recyclable

Panel specification	80mm, 100mm, 120mm (or other customized requirements)
Exterior surface material	Pre-coated aluminum sheet/steel sheet/Titanium Zinc/copper sheet/ stainless steel
Exterior surface thickness	0.7-1.2mm
Surface coating	Depending on customer requirement
Coating color	RAL Classic colors can be provided depending on design requirement
Back surface material	Pre-coated aluminum sheet/steel sheet/Titanium Zinc/copper sheet
Back surface sheet thickness	0.5-1.2mm
Core material	Premium hydrophobic rockwool
Shape	Standard flat panel and panels with non-standard shapes

Framed metal integrated insulation curtain wall system

Special features



① Sandwich panel structure

② Large in size and highly flat

③ Lightweight and strong

④ Customizable

Panel specification	10mm, 15mm, 20mm, 25mm, 30mm (or other customized requirement) Bespoke length for under 12500mm
Exterior surface material	Pre-coated aluminum sheet/Steel sheet/Titanium Zinc/Copper sheet
Exterior surface thickness	0.7-1.2mm
Surface coating	Depending on customer requirement
Coating color	RAL Classic colors can be provided depending on design requirement
Back surface material	Pre-coated aluminum sheet/steel sheet/Titanium Zinc/copper sheet
Back surface sheet thickness	0.5-0.8mm
Core material	Aluminum honeycomb core
Shape	Standard flat panel and panels with non-standard shapes



Operable Unitized Metal Curtain Wall System

Special features



- ① Compared to traditional top-hung opening sashes, it provides a larger effective ventilation area and higher ventilation efficiency.
- ② The position, dimensions, and profile of the ventilation units can be customized to meet design requirements.
- ③ The unique locally-recessed and side-ventilation design allows it to be discreetly integrated into the facade composition.

The operable integrated metal curtain wall system successfully incorporates natural ventilation into solid metal panels, moving beyond the conventional approach of placing ventilation openings only within glazed sections. This is achieved through systematic design and prefabricated construction. While fully preserving the aesthetic integrity of the building facade, the system introduces a natural ventilation experience within traditionally non-transparent cladding areas. This significantly enhances indoor environmental comfort and health, achieving a unified harmony of architectural design, practical function, and user-centric experiential quality.

Customized metal thermal insulated curtain wall system

Special features

- ① An integrated interior and exterior decoration module
- ② Flexible specifications with new age of unrestricted facade designing
- ③ Open-viewed ventilation configuration
- ④ Glue-free curtain walling system techniques applied in
- ⑤ An open type integrated curtain wall system
- ⑥ Multi-layer decorative curtain wall system

Our bespoke curtain wall product is both green and aesthetically pleasing, together with special processing treatments, the system is very resistant to corrosion and harsh weather, as a result, a long service time and low maintenance costs are attained. As an industrial leader in both intelligent manufacturing and design capacity, we are striving to further express the silent amazement of architecture and seek more possibilities to utilize its space.



KINGSEMI

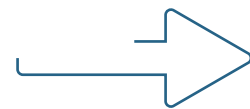


Suzhou Science & Technology Museum



Training building of Xi'an University of Architecture and Technology

Building Envelope System



Wall Cladding System

01
PART

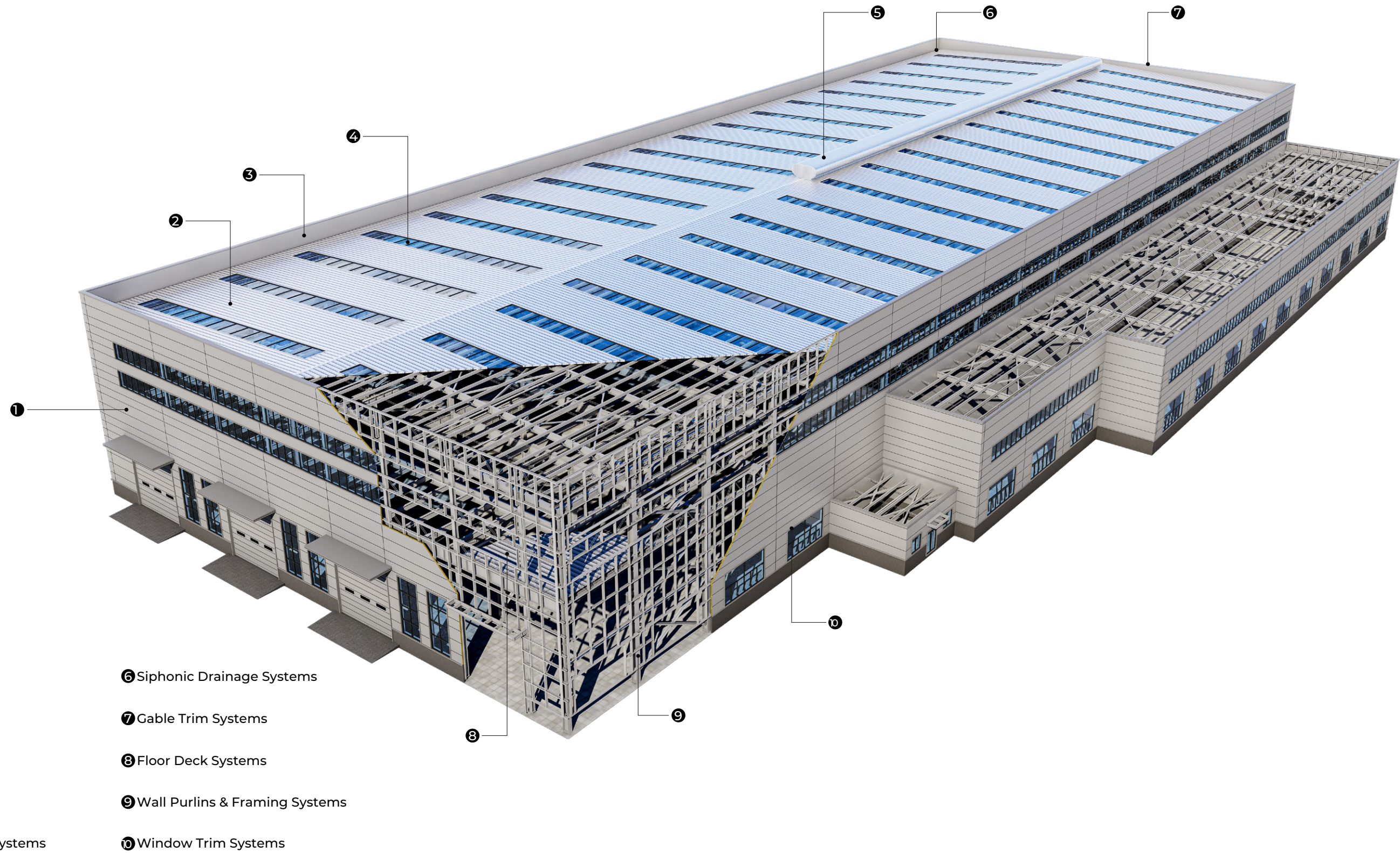
HW industrial building curtain wall cladding
IW rock wool composite panel
IW PU edge-sealed composite panel
IW PU edge-sealed tongue and groove composite panel
VW rock wool composite panel
TW rock wool composite panel
EW insulation and decoration integrated panel

02
PART

Roof system

PVR1000 photovoltaic metal thermal insulated roof system
SR1000 metal thermal insulated roof system
SR1000 flexible roof system
PVMR1025 solar roof system
MR468 prefabricated roof system
GF228 Roofing System
470 Stainless Steel Roofing System

Metal Envelope System Solutions



Systematic Advantages

Class A fire-resistance,Superb thermal insulation

Air tightness, water tightness, and wind pressure resistance are increased by 19.4%

Safe and eco-friendly,Sustainable development

Integrated assembly,Quick and easy installation

The panels offer flexible dimensions, horizontal/vertical installation options, and a variety of colors to suit diverse architectural forms.



Product Applications



Public Buildings

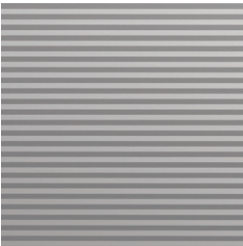


Industrial Buildings

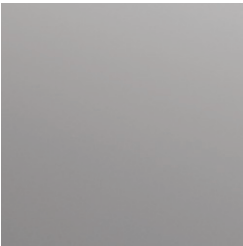


Exterior Panel Options

Surface pattern



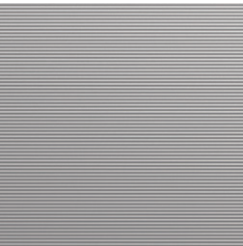
Lishui corrugation



Mirror surface



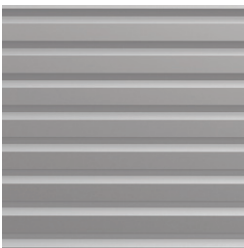
Embossing patterns



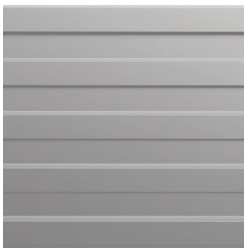
Mini corrugation



Square bar reinforced



V shaped reinforce beam



T shaped reinforce beam

Types of metal sheet



Color coated steel sheet



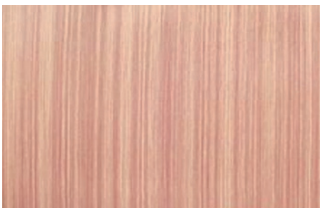
Color coated aluminum sheet



Stainless steel sheet



Metal galvanized steel sheet



Film laminated steel sheet



plated steel sheet

Coating material selection for color-coated metal sheets

- ① Nano-particle reinforced PE
- ② PVDF
- ③ High Durability Polyester (HDP)
- ④ Silicon-modified polyester (SMP)
- ⑤ Polyester (PE)

Color-coated steel sheet paint parameters

Paint	Neutral salt spray test (h)	UV light accelerated aging test (h)		Pencil hardness	Life span (years)	Coating standard
		UVA-340	UVA-313			
Nano-particle reinforced PE	≥1000	≥2000		≥HB	20	Aluminum-Zinc-Magnesium coated steel coil (AZM150)
PVDF	≥960	≥1800	≥1000	≥HB	20	
High Durability Polyester (HDP)	≥720	≥960	≥600	≥HB	15	Aluminum-Zinc coated steel coil (AZ150)
Silicon-modified polyester (SMP)	≥600	≥720	≥480	≥F	10	Zinc coated steel coil (Z180)
Polyester (PE)	≥480	≥600	≥400	≥F	5	

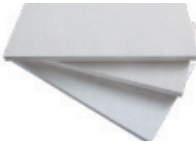
Color-coated aluminum sheets information

Paint	Neutral salt spray test (h)	UV light accelerated aging test (h)		Pencil hardness	Life span (years)	Yield strength	Metal sheet material
		UVA-340	UVA-313				
PVDF	≥960	≥1800	≥1000	≥HB	20	≥195MPa	Hot rolled 3003/3004
PE polyester	≥480	≥600	≥400	≥F	5		

Core Material Options

Depending fire-proof, thermal insulation or environmental regulations, rock wool or glass wool can be used.

Comparison between different core materials

Core material	Rock wool	Polystyrene board(EPS)	Polyurethane (PU/PIR)	Mineral wool	Glass wool
Illustration					
Flammability	Class A fire rating	B	B	Class A fire rating	Class A fire rating
Smoke or toxic gases	Nonpoisonous	Black smoke	Black smoke	Nonpoisonous	Nonpoisonous
Highest temperature tolerable	<600	<85	< 170	<300	<200
Fire resistance limit	30-240min	Easily flammable	Easily flammable	< 60min	30-120min
Thermal conductivity	0.036-0.043	0.039-0.041	0.022-0.024	0.038-0.048	0.033-0.043

After comprehensive comparisons, high quality rock wool is highly recommended by Glostar.

Advantages of high-quality rock wool

PH
When pKa is greater than 1.8, the pH value of the leachate is neutral or weakly alkaline, causing no corrosion to various metals.

Hydrophobicity
The hydrophobicity reaches over 98%. Even after getting soaked, its insulation performance can fully recover after drying and long-term usability is not affected.

Fiber diameter
Thin and flexible diameter, which is less than 6 microns, has low thermal conductivity, hence excellent thermal insulation.

Weather resistance
Resistant to high temperatures, rock wool possesses good thermal stability at high temperatures, durability, and the ability to resist high-temperature expansion.

Eco-friendly
Green and environmentally friendly, rock wool has been recognized by international cancer research authorities as a non-carcinogenic substance.

Advantages of high-quality glass wool

Eco-friendly
Eco-friendly and carcinogenic substance and formaldehyde free - totally safe for long-term usage.

Thermal insulation
According to test results, for every 1μm reduction in the diameter of glass fibers, the thermal conductivity can decrease by 9.2%. Glass wool typically has a diameter of 5μm for its fibers, which significantly surpasses the national standard requirement of ≤8μm. This leads to a lower thermal conductivity and

Structural shock resistance
The long and thin glass fiber has excellent tensile strength and shock resistance.



Hebei Tieke Yichen New Material Technology Co., Ltd.



HW industrial building curtain wall cladding

Performance features



- ❶ The thermal insulating and fireproof core materials are in full accordance with the standards of green and energy-efficient buildings.

❸ The system offers an excellent even surface which shows an elegant appearance that the visual effect of a metal
- ❷ Core materials are fully wrapped to guarantee durability.

❹ The stiff claddings are very resistant to bending, making the whole structure is mechanically strong.

Illustration for the joint



Center Joints



Technical specifications

Size	L < 15000mm500mm ≤ W ≤ 1200mm	
Thickness	50mm, 75mm, 80mm, 100mm, 150mm	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.6-0.8mm Inner/Outer Aluminum Sheets: 0.4-0.7mm/0.7-1.0mm	
Joint width	20mm	
Core material	Rock wool, PU and rock wool	PU and glass wool
Core material density	Rockwool: 120-140(Kg/m³)	Glass wool: 64(Kg/m³)
Flammability	Class A	

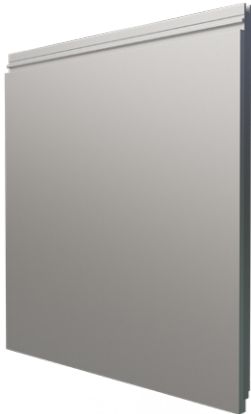


Table of Load without extra support and thermal performance specifics for HW Industrial Building Curtain Wall Cladding

Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5652	4217	3490	3018	2674	2408	15.88	0.76
	75		7470	5605	4662	4050	3604	3259	18.72	0.53
	100		9079	6827	5689	4951	4414	3996	21.56	0.40
	150		11882	8927	7434	6465	5759	5212	27.24	0.27
Glass wool	50	Single-span /multi-span	5543	4082	3340	2857	2507	2237	13.32	0.74
	75		7339	5442	4480	3854	3399	3048	14.88	0.52
	100		8925	6635	5475	4720	4172	3747	16.44	0.39
	150		11677	8673	7150	6159	5439	4882	19.55	0.27

Note: Calculations in the table are based on the following assumptions:
Rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm, deflection span ratio L/100.

IW rock wool composite panel

Performance features



- ❶ The composite panels are 100% filled with rock wool for better thermal insulation.
- ❷ A unique design is added to the nail fixing point for better stability.
- ❸ Spaced reinforced beams are placed on the back of the panels for more strength and easier installation.
- ❹ At the joints between panels, connectors and clamps are fitted for rigidity and stability.

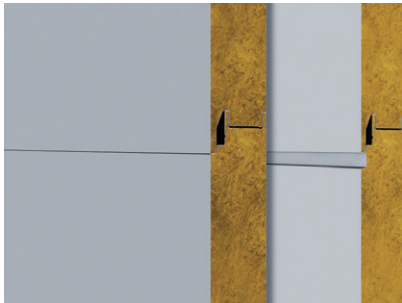
Illustration for the joint



Interlocking Joints



Center Joints



Decorative Joints

Technical specifications

Size	L < 15000mm	500mm ≤ W ≤ 1200mm
Thickness	50mm, 75mm, 80mm, 100mm, 150mm	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.6-0.8mm Inner/Outer Aluminum Sheets: 0.4-0.7mm/0.7-1.0mm	
Joint width	0mm, 10mm, 15mm, 20mm, 25mm, 40mm	
Core material	Rock wool	
Core material density	Rockwool: 120-140(Kg/m³)	
Flammability	Class A	



Table of Load without extra support and thermal performance specifics for IW rock wool composite panel

Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5630	4202	3479	3008	2667	2402	16.16	0.76
	75		7441	5584	4646	4037	3594	3250	19.16	0.53
	100		9043	6801	5670	4935	4400	3985	22.16	0.40
	150		11835	8894	7408	6444	5742	5197	28.16	0.27

Note: Calculations in the table are based on the following assumptions:
Rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm, deflection span ratio L/100.

IW PU edge-sealed composite panel

Performance features



- 1 Fire resistance:**
Using non-combustible or flame-retardant core materials to meet various fire protection requirements.
- 2 Strong and durable:**
Side sealing by using PU enhances the overall structural rigidity, facilitates installation, and increases moisture resistance.
- 3 Elegant and beautiful appearance:**
Concealed fasteners and colorful panels bestow an attractive appearance to the
- 4 Thermal insulation and energy saving:**
High quality core materials are working in conjunction with specifically designed joints to minimize heat loss.
Sealing performance:
Ensuring the overall airtightness and watertightness of the entire wall through interlocking joints and sealed end connections.

Illustration for the joint



Decorative Joints



Center Joints



Interlocking Joints



Knee Walls



Window Lintels / Window Sills

Technical specifications

Size	L < 15000mm	500mm ≤ W ≤ 1200mm
Thickness	50mm, 75mm, 100mm, 150mm, 200mm, 250mm	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.5-0.8mm Inner/Outer Aluminum Sheets: 0.4-0.7mm/0.7-1.0mm	
Joint width	0mm, 10mm, 15mm, 20mm, 25mm, 40mm	
Core material	PU and glass wool	PU and rock wool
Core material density	Glass wool: 64(Kg/m³)	Rockwool: 120-140(Kg/m³)
Flammability	Class A	



Table of Load without extra support and thermal performance specifics for IW PU edge-sealed composite panel

Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5652	4217	3490	3018	2674	2408	15.88	0.76
	75		7470	5605	4662	4050	3604	3259	18.72	0.53
	100		9079	6827	5689	4951	4414	3996	21.56	0.40
	150		11882	8927	7434	6465	5759	5212	27.24	0.27
Glass wool	50	Single-span /multi-span	5543	4082	3340	2857	2507	2237	13.32	0.74
	75		7339	5442	4480	3854	3399	3048	14.88	0.52
	100		8925	6635	5475	4720	4172	3747	16.44	0.39
	150		11677	8673	7150	6159	5439	4882	19.55	0.27

Note: Calculations in the table are based on the following assumptions:
Rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm, deflection span ratio L/100.

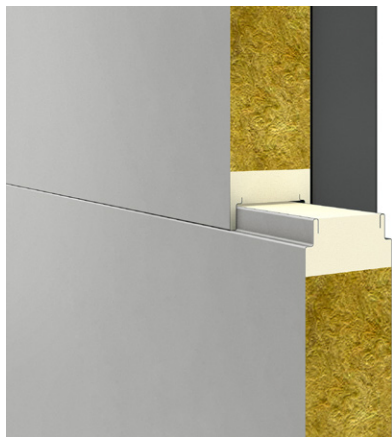
IW PU edge-sealed tongue and groove composite panel

Performance features



- ❶ Classic dovetail joints simple and fast installation.
- ❷ Simple shapes,high material utilization,cost-effective.
- ❸ A flexible selection for surface skin,highly adaptable.

Illustration for the joint



Interlocking Joints

Technical specifications

Size	L < 15000mm	500mm ≤ W ≤ 1000mm
Thickness	50mm, 75mm, 80mm, 100mm, 150mm	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.5-0.8mm	
Joint width	0mm, 10mm, 15mm, 20mm, 25mm, 40mm	
Core material	PU and glass wool	PU and rock wool
Core material density	Glass wool: 64(Kg/m³)	Rockwool: 120-140(Kg/m³)
Flammability	Class A	



Table of Load without extra support and thermal performance specifics for IW PU edge-sealed tongue and groove composite panel

Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5568	4158	3445	2982	2645	2383	15.35	0.76
	75		7357	5526	4601	4000	3563	3223	18.19	0.53
Glass wool	50	Single-span /multi-span	5462	4028	3299	2826	2482	2217	12.79	0.74
	75		7230	5368	4424	3810	3364	3018	14.35	0.52

Note: Calculations in the table are based on the following assumptions:
rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm,

VW rock wool composite panel

Performance features

- ① A sloped bottom side is designed to have better water drainage.
- ② Pre-designed nail fixing groove for easier installa-
- ③ For better water proof performance, V-shaped caps are specifically designed to be compatible with the seams and corners.
- ④ With protruding corner covering pieces, nails are
- ⑤ Compatible with multiple kinds of panels for

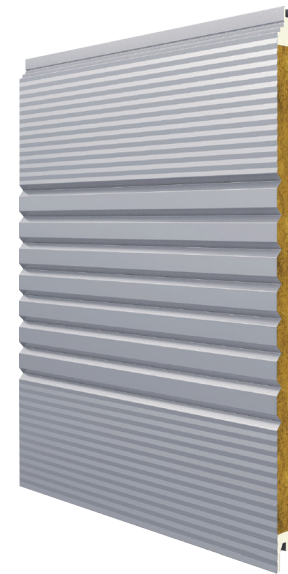


Illustration for the joint



External Corner Joints



Center Joints



Window Jambs

TW rock wool composite panel

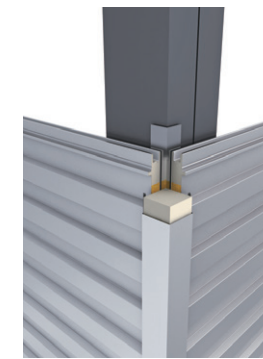
Performance features

TW rock wool composite panel varies in structural design and surface pattern for a rich facade effect on the wall. It adopts an outward convex middle seam and corner covering components with insulation material filled inside for waterproofing as well as thermal insulation performance at those locations.

For decorative purposes, the color of the middle seam can be individually specified. It can also be used in conjunction with other products in the series to enrich the visual effect of the wall while ensuring corner compatibility.



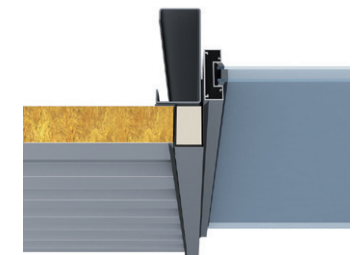
Illustration for the joint



External Corner Joints



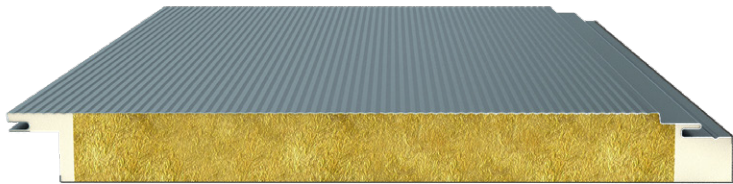
Center Joints



Window Jambs

EW insulation and decoration integrated panel

Performance features



- ❶ **Fire resistance:**
non-combustible or flame-retardant core materials are employed under building fire protection
- ❷ **Thermal insulation and energy-saving:**
thanks to its superior thermal insulation performance, a 75% required energy reduction level is obtained thereby creating a more comfortable living space.
- ❸ **Sealing performance:**
Ensuring the overall airtightness and watertightness of the entire wall through interlocking joints
- ❹ **wind resistance:**
With a special joint design, the composite panel has an excellent resistance to deformation and wind.

Built tough:
side sealing by using PU enhances the overall structural rigidity, facilitates installation, and increases moisture resistance.

Elegant and beautiful appearance:
Decorative seams enhance the layering of the wall surface by providing various visual effects through either single colors or prints, or embossing.

Easy installation:
its light weightiness is friendly to installation and no construction wastes are produced. Wall surface leveling would be unnecessary.

Illustration for the joint



Interlocking with Framing



Interlocking without Framing

Technical specifications

Size	L < 15000mm	350mm ≤ W ≤ 500mm
Thickness	50mm, 75mm, 100mm	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.5-0.8mm Outer Aluminum Sheets: 0.5-0.8mm	
Joint width	0mm, 15mm	
Core material	PU and glass wool	PU and rock wool
Core material density	Glass wool: 64(Kg/m³)	Rockwool: 120-140(Kg/m³)
Flammability	Class A	



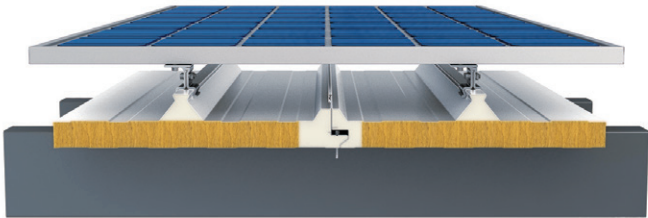
Table of Load without extra support and thermal performance specifics for EW insulation and decoration integrated panel

Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5554	4149	3438	2976	2640	2379	15.44	0.76
	75		7339	5513	4591	3992	3556	3218	18.35	0.53
	80		7669	5764	4803	4178	3724	3371	18.93	0.50
	100		8919	6714	5601	4878	4353	3945	21.26	0.40
Glass wool	50	Single-span /multi-span	5448	4019	3293	2821	2478	2214	12.78	0.74
	75		7212	5356	4414	3802	3358	3013	14.36	0.52
	80		7538	5602	4620	3982	3519	3159	14.68	0.49
	100		8771	6530	5394	4656	4120	3704	15.94	0.39

Note: Calculations in the table are based on the following assumptions:
Rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm, deflection span ratio L/100.

PVR1000 photovoltaic metal thermal insulated roofing system

Performance features



1 Adjacent edges are vertically rolled by 360°to form an interlocked seam
Edges are double-folded to lock the roof together as a unified whole and the seam is concealed, as a result, the product has good water tightness and wind resistance.

Seams are automatically locked by the machine, so the installation process is easy. Capillary action is

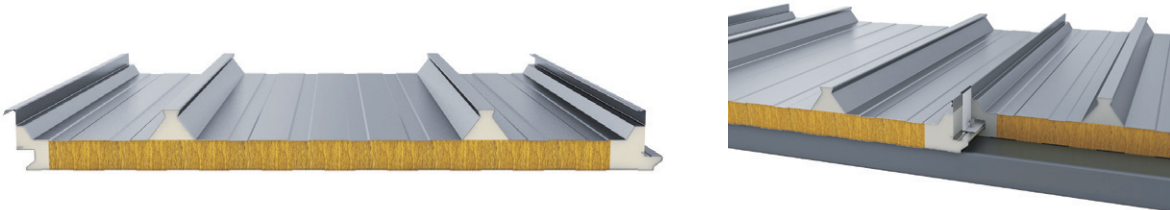
2 High strength
In addition to reinforced beams on both sides, there are 3 ridges on the sheets to give the roof more load capacity.

Metal roof panels are connected to purlins through brackets, and a unique concealed bracket structure enhances installation strength without the need to penetrate the roof surface. This design effectively

3 Safe to use
Those ridges on the panel are designed such that connecting clamps can be easily fitted. Depending on what type of facility is needed, either solar modules or snow guards, or hurricane protection devices can be mounted onto the clamps. Those installations do not require surface penetration therefore roof integrity and concealment remain uncompromised.

The roof system is effectively wired to the overall lightning protection system to make sure lightning electric current is guided to the ground to prevent it from penetrating the metal roof and entering the building. This effectively eliminates problems related to lightning damage and static electricity build-up.

Illustration for the joint



Technical specifications

Size	L < 15000mmW 1000mm	
Thickness	50mm, 60mm, 75mm, 80mm, 100mm,150mm (other customized)	
Surface pattern	3 Ridges	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.5-0.7mm	
Type of joint	Adjacent edges are vertically rolled by 360°to form an interlocked seam	
Core material	PU and glass wool	PU and rock wool
Core material density	Glass wool: 64(Kg/m³)	Rockwool: 100-140(Kg/m³)
Flammability	Class A	

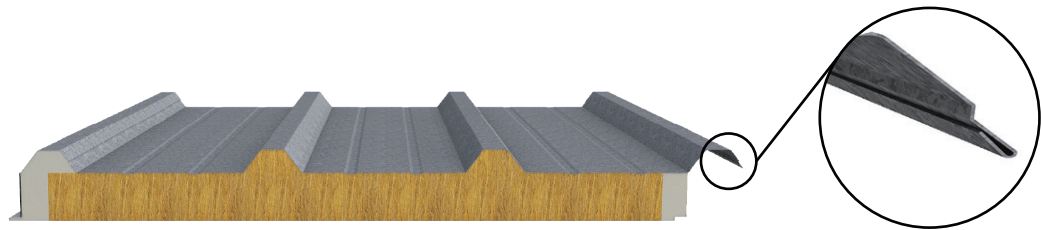
Table of Load without extra support and thermal performance specifics for PVR1000 photovoltaic metal thermal insulated roof system

Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5825	4403	3688	3223	2886	2623	16.62	0.76
	75		7259	5450	4537	3944	3512	3177	19.47	0.53
	80		7528	5647	4696	4079	3629	3281	20.03	0.50
	100		8561	6403	5311	4602	4085	3685	22.31	0.40
	120		9545	7129	5906	5111	4533	4085	24.58	0.34
	150		10967	8195	6793	5882	5219	4705	27.99	0.27
Glass wool	50	Single-span /multi-span	5736	4293	3563	3089	2744	2476	14.06	0.74
	75		7133	5294	4362	3756	3315	2974	15.62	0.52
	80		7394	5482	4511	3880	3422	3068	15.93	0.49
	100		8402	6206	5091	4366	3840	3434	17.18	0.39
	120		9364	6905	5656	4844	4255	3800	18.43	0.33
	150		10760	7940	6508	5577	4901	4380	20.30	0.27

Note: Calculations in the table are based on the following assumptions:
Rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm, deflection span ratio L/150.

SR1000 metal thermal insulated roof system

Performance features



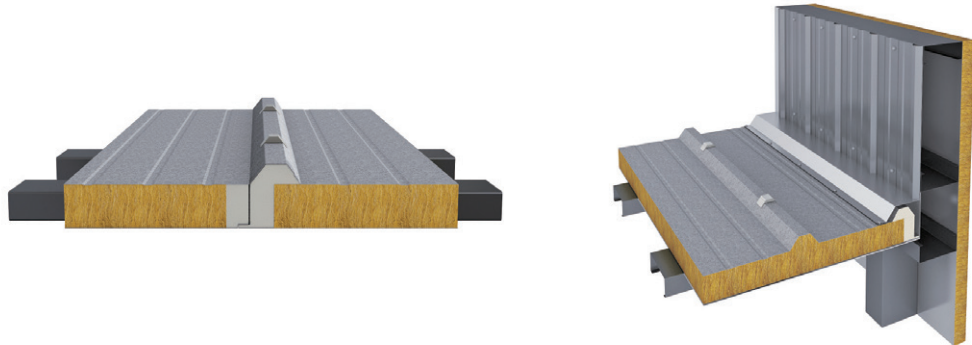
- ❶ Thermal insulation and waterproofing

❸ The tall ridges not only strengthen the load-bearing capacity of the panels but also, to a certain extent, evenly guide

❹ The overlapping and folding process at the female port ensures a tighter connection and prevents rusting on the edges, thus a prolonged lifespan of the system.
- ❷ The core material, filled with rock wool (with PU side-sealing) or glass wool (with PU side-sealing) along the edges, enhances the strength of the panels, ensuring their flatness and tight joints, while also facilitating installation.

❺ The straightforward overlapping design simplifies installation and improves construction efficiency.

Illustration for the joint



Technical specifications

Size	L < 15000mm	W 1000mm
Thickness	50mm, 75mm, 100mm, 150mm (other customized)	
Surface pattern	3 Ridges	
Skin thickness	Inner/Outer Steel Sheets: 0.4-0.6mm/0.5-0.7mm	
Type of joint	Overlap joint	
Core material	PU and glass wool	PU and rock wool
Core material density	Glass wool: 64(Kg/m³)	Rockwool: 100-140(Kg/m³)
Flammability	Class A	

Table of Load without extra support and thermal performance specifics for SR1000 metal thermal insulated roof system

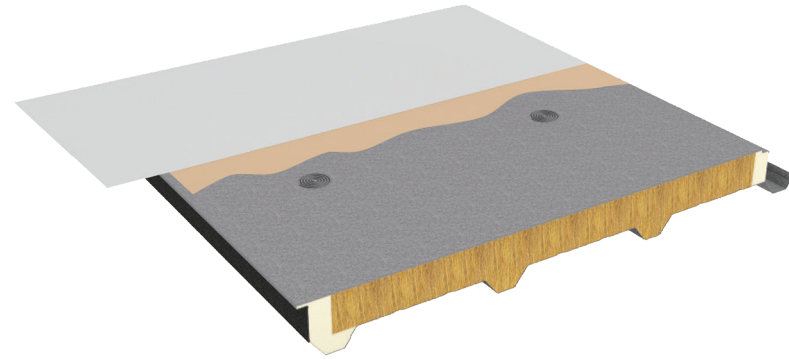
Core material	Thickness (mm)	Type of support	Load(KN/m²)/rafter spacing(mm)						Panel weight	Thermal conductivity
			0.5	1.0	1.5	2.0	2.5	3.0		
Rock wool	50	Single-span /multi-span	5637	4264	3573	3124	2798	2545	15.97	0.76
	75		7060	5305	4419	3843	3425	3100	18.81	0.53
	100		8349	6250	5188	4498	3997	3607	21.65	0.40
	150		10725	8023	6656	5767	5121	4620	27.33	0.27
Glass wool	50	Single-span /multi-span	5552	4158	4251	2995	2662	2403	13.41	0.74
	75		6939	5155	3453	3663	3235	2904	14.97	0.52
	100		8196	6060	4977	4272	3760	3365	16.52	0.39
	150		10526	7777	6381	5473	4815	4306	19.64	0.27

Note: Calculations in the table are based on the following assumptions:
Rock wool of a density of 120Kg/m³, glass wool of a density of 64kg/m³, thickness of front sheet 0.6mm, thickness of the back sheet 0.5mm, deflection span ratio L/150.

SR1000 flexible roof system

Performance features

SR1000 flexible roofing system is suitable for architectures with large spans, unique shapes, and high waterproofing requirements in their steel structure roofs, such as industrial plants, airports, logistics centers, sports arenas, exhibition halls, and train stations.

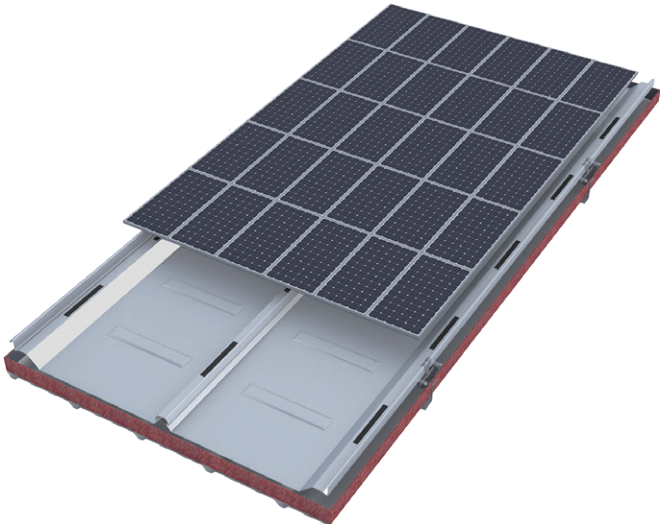


- ① Lightweight and easy installation
- ② Quick installation and excellent waterproof performance
- ③
- ④ Strong load-bearing capacity



PVMR1025 solar roof

Performance features



- ❶ Solar modules can be fixed either by adhesive bonding or clamps.

❸ Horizontal reinforced beams rather than vertical ones are used for better wind

❺ Water gutters are designed on both
- ❷ Comparatively higher utilization.

❹ Wind resistance is further enhanced by central supporting brackets which are

List of components

Roofing profiled sheet, mounting bracket, central supporting bracket, side supporting bracket, ridge cap, cornice cap, aluminum clipping strip, ridge back sheet, connecting back sheet, etc.

Technical specifications

Effective width (mm)	Width at full expansion (mm)	Utilization	Thickness (mm)	Weight per square meter (kg/m²)	Sectional moment of inertia (cm⁴/m)	Section Modulus (cm³/m)	
						Wx1	Wx2
1025	1025	82%	0.6	5.74	27.61	22.05	4.80
			0.7	6.70	32.12	25.58	5.57
			0.8	7.66	36.63	29.08	6.35

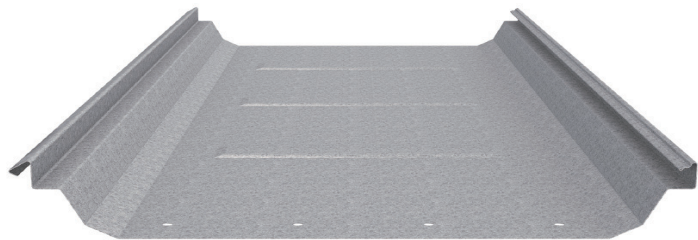
Table of Load without extra support and thermal performance specifics for PVMR1025 sheet system unsupported span selection table

Thickness (mm)	Yield strength (N/mm²)	Supporting condition	Load direction	Load(KN/m²)/rafter spacing(mm)					
				0.5	1.0	1.5	2.0	2.5	3.0
0.6	345	Multi-span	External force	3409	2866	2340	2026	1812	1654
			Internal force	2892	2296	2005	1822	1691	1592
0.7			External force	3625	3048	2526	2188	1957	1786
			Internal force	3039	2412	2107	1915	1777	1673
0.8			External force	3746	3150	2699	2337	2090	1908
			Internal force	3175	2520	2202	2000	1857	1747

Note: strength is calculated under both positive and negative pressure conditions, whereas deflection span is only considered for positive pressures.
The selected deflection-span ratio is L/150.

MR468 metal prefabricated roof system

Performance features



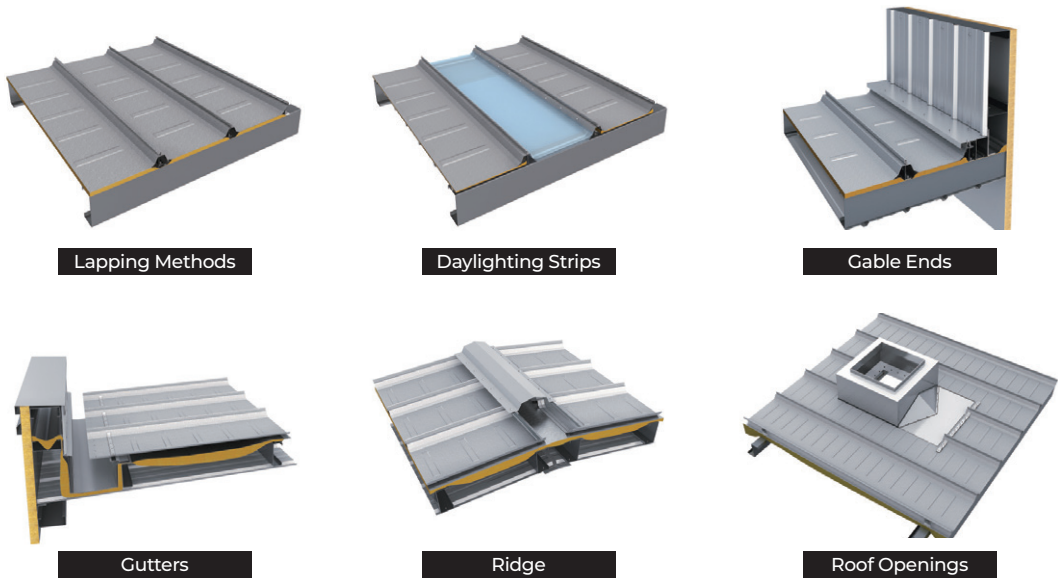
- ❶ Hidden mounting brackets, no screw penetra-

❸ Roof panels, fasteners, and other accessories are pre-punched for accurate alignment and neat finishing.

❺ Experienced engineers working with equip- ment that is safely transported in crates to guarantee reliable on-site installation.
- ❷ The bracket features a sliding structure, which allows a slight movement caused by thermal expansion and contraction of the metal panel after engagement, thereby preventing structural damage caused by stress buildup that cannot be released.

❹ The panel features vertical ridges on one side and corresponding grooves on the other for engage- ment. Ridges are 70mm tall, which gives it a good drainage ability and our adhesive equip- ment can provide pre-applied sealing adhesive for joints to prevent leakage under any harsh weather conditions.

Illustration for the joint



Technical specifications

Effective width (mm)	Width at full expansion (mm)	Utilization	Thickness (mm)	Weight per square meter (kg/m²)	Sectional moment of inertia (cm⁴/m)	Section Modulus (cm³/m)	
						Wx1	Wx2
468	600	78%	0.5	5.03	34.91	21.67	6.47
			0.6	6.04	41.82	25.90	7.76
			0.7	7.04	48.74	30.11	9.04

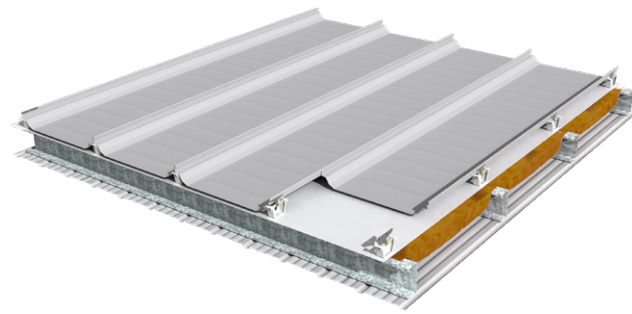
Table of Load without extra support and thermal performance specifics for MR468 prefabricated roof system

Thickness (mm)	Yield strength (N/mm²)	Supporting condition	Load direction	Load(KN/m²)/rafter spacing(mm)					
				0.5	1.0	1.5	2.0	2.5	3.0
0.5	345	Multi-span	External force	3701	2785	2274	1969	1761	1608
			Internal force	3196	2536	2216	1969	1761	1608
0.6			External force	3872	3052	2492	2158	1930	1762
			Internal force	3394	2694	2353	2138	1930	1762
0.7			External force	4023	3294	2690	2329	2083	1902
			Internal force	3571	2835	2476	2250	2083	1902

Note: strength is calculated under both positive and negative pressure conditions, whereas deflection span is only considered for positive pressures.
The selected deflection-span ratio is L/150.

GF228 Roofing System

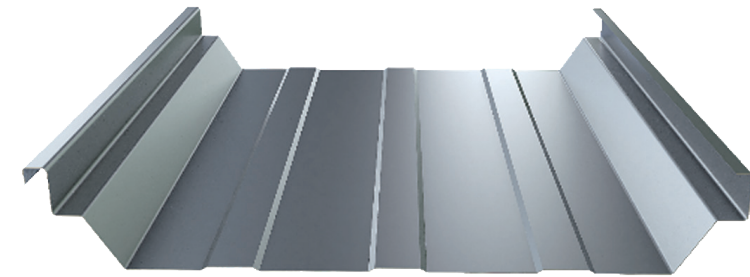
Performance features



- ① 360°, 450°, and 540° lockseam adaptability for global climate scenarios, delivering ultra-high wind uplift resistance.
- ② Pittsburgh lockseam + dual pre-applied sealant technology ensures extreme water and air tightness.
- ③ Fixed-width technology, pre-cutting processes, and systematic sliding
- ④ Modular customization, anti-dust accumulation design, penetration-free

470 Stainless Steel Roofing System

Performance features

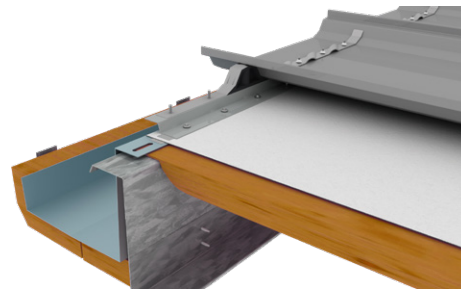


- ① Suitable stainless steel material can be selected based on environmental and architectural requirements.
- ② High-rib continuous welding ensures integrated joints and exceptional waterproofing performance.
- ③ Welded strong connections + high-strength bracket design achieve
- ④ Breakthroughs in drainage, corrosion resistance, and thermal expansion adaptability, combined with ultra-long service life and cost-effectiveness.

Illustration for the joint



540° Standing Seam



Gutter & Eave







Jinan International Standard Land Investment Industrial Park



Shandong Xinhua Medical Instrument Co.,Ltd.



South China Sea Resources Center, Ocean University of China



Shandong Fuding Industrial Park

Cleanroom Systems



01

Handmade
Cleanroom Panel

02

Machine-Made
Cleanroom Panel

03

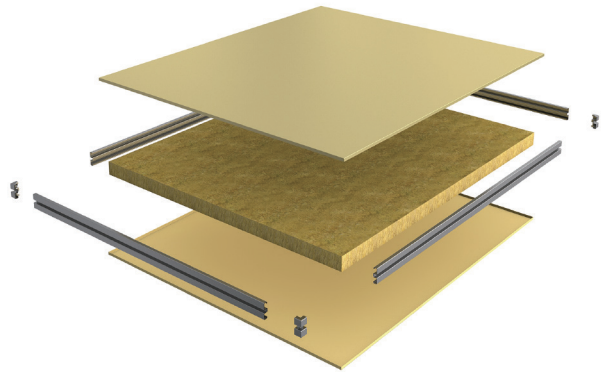
Cleanroom
Door

04

Cleanroom
Window

Handmade Cleanroom Panel

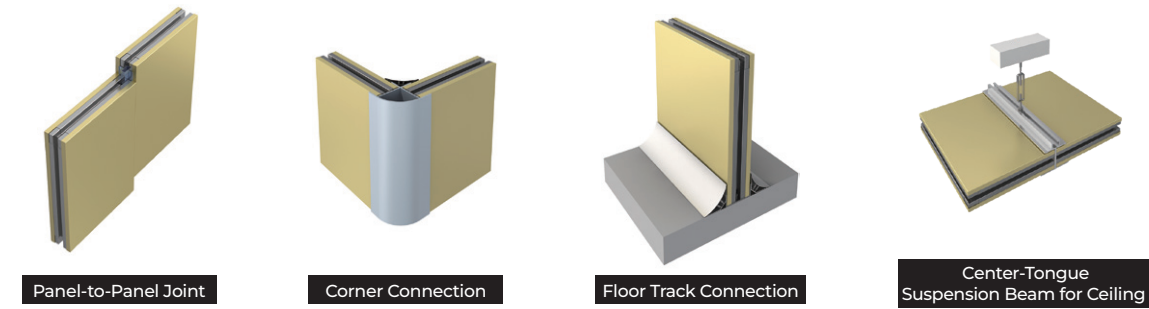
Center-Tongue Cleanroom Panel



- 1 Surrounded by hat-shaped galvanized steel framing for enhanced overall panel strength.
- 2 Connected via center-tongue aluminum joints for faster modular assembly and installation.
- 3 Manufactured using continuous hot-press lamination for superior core-to-face adhesion and improved flatness.

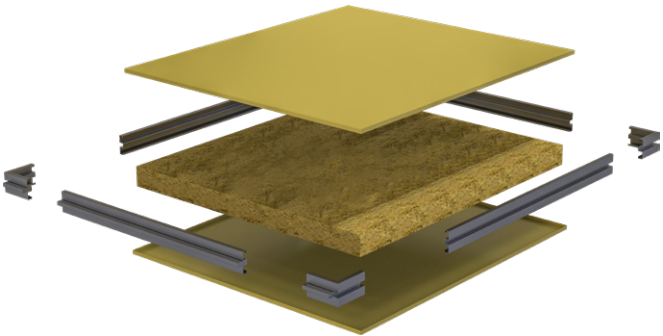
Product Model	1180mm/980mm	Custom Sizes
Effective Coverage Width	1180mm/980mm	Actual Custom Width
Steel Sheet Thickness	0.4-0.8mm	
Core Material Thickness	50mm, 75mm, 100mm	
Framing Thickness	0.7-1.0mm	
Length	6000mm(Recommended Wall Panel Length), 3000mm(Recommended Ceiling Panel Length)	

Illustration for the joint



Handmade Cleanroom Panel

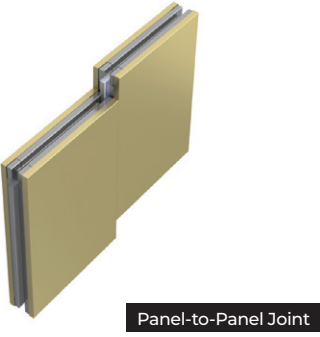
Tongue-and-Groove Cleanroom Panel (Insertion Connection)



- 1 Insertion connection design saves aluminum and reduces installation costs.
- 2 Ideal wall panel profile for modular assembly, enabling faster construction.
- 3 Manufactured with continuous hot-press lamination for superior core-to-face adhesions and enhanced flatness.

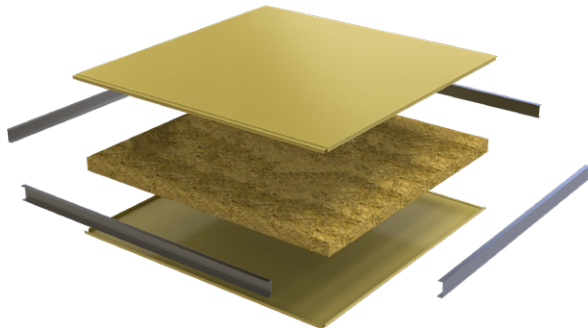
Product Model	1180mm/980mm	Custom Sizes
Effective Coverage Width	1180mm/980mm	Actual Custom Width
Steel Sheet Thickness	0.4-0.8mm	
Core Material Thickness	50mm, 75mm, 100mm	
Framing Thickness	0.7-1.0mm	
Length	6000mm(Recommended Wall Panel Length), 3000mm(Recommended Ceiling Panel Length)	

Illustration for the joint



Handmade Cleanroom Panel

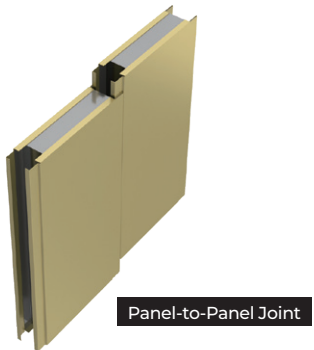
Tongue-and-Groove Cleanroom Panel (Male-Female Interlocking)



- ❶ Male-female interlocking design saves aluminum and reduces installation costs.
- ❷ Each tongue-and-groove joint can serve as a wiring conduit, facilitating on-site installation.
- ❸ Steel sheets enclosed on all four sides enhance strength with a fully sealed structure.
- ❹ 90° pressed edges ensure a cleaner and more aesthetic joint finish.

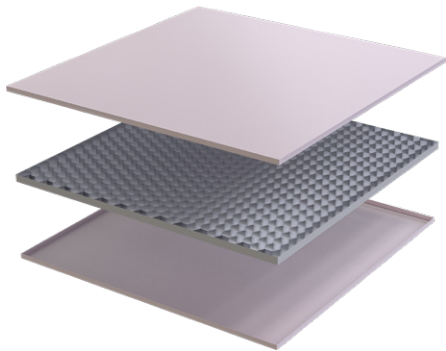
Product Model	1150mm/950mm	Custom Sizes
Effective Coverage Width	1150mm/950mm	Actual Custom Width
Steel Sheet Thickness	0.4-0.8mm	
Core Material Thickness	50mm, 75mm, 100mm, 150mm, 200mm	
Framing Thickness	0.7-1.0mm	
Length	6000mm(Recommended Wall Panel Length)	

Illustration for the joint



Handmade Cleanroom Panel

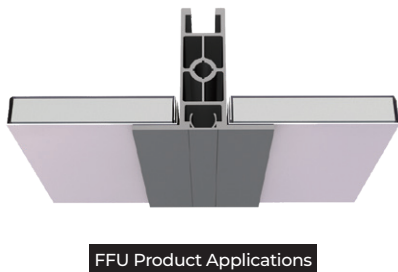
FFU Blank Panel



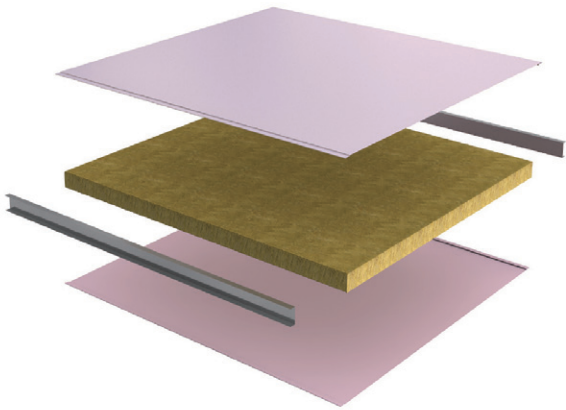
- ❶ Innovative structural design, high dimensional accuracy, and excellent
- ❷ Lightweight yet high-strength
- ❸ Superior electrostatic conductivity
- ❹ Fully recyclable

Product Model	1170mm×1170mm	570mm×1170mm	Custom Sizes
Effective Coverage Width	1170mm×1170mm	570mm×1170mm	Actual Custom Width
Steel Sheet Thickness	0.4-0.8mm		
Core Material Types	Gypsum, Aluminum Honeycomb, Single Sheet		
Length	1170mm(Recommended Ceiling Panel Length)		

Illustration for the joint



Machine-Made Cleanroom Panel



- 1 Ultra-long composite process ensures excellent flatness and cost efficiency.
- 2 Steel-enclosed ends and sides with pressed edge sealing enable interlocking installation for
- 3 Longitudinal stiffeners can be integrated into the panel core for enhanced overall strength.

Product Model	1150mm	950mm
Effective Coverage Width	1150mm	950mm
Steel Sheet Thickness	0.4-0.8mm	
Core Material Thickness	50mm, 75mm, 100mm, 150mm, 200mm	
Framing Thickness	0.6-1.0mm	
Length	6000mm(Recommended Wall Panel Length), Not Recommended for Ceiling Applications	

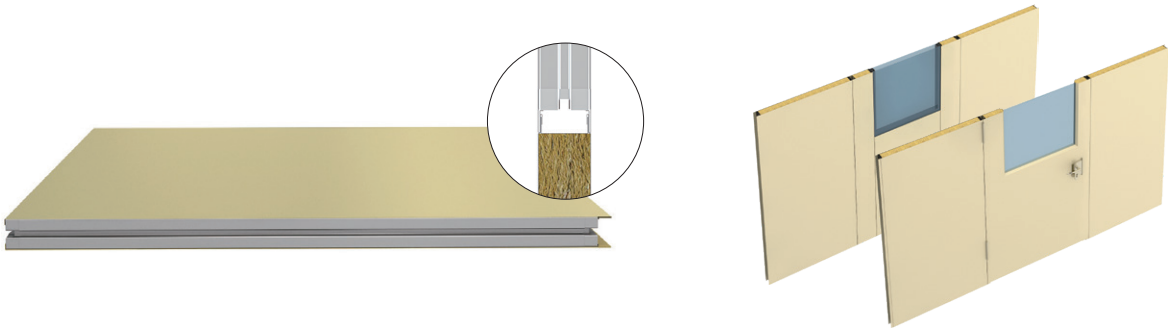
Illustration for the joint



Panel-to-Panel Joint

Assembly Applications

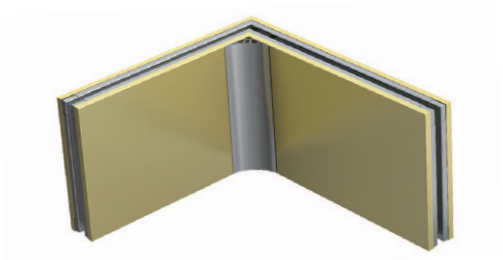
Transition Panels



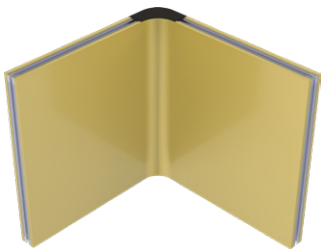
- 1 Seamless integration of machine-made panels with manual cleanroom doors
- 2 Achieving the aesthetic and performance of manual cleanroom doors
- 3 Reducing project construction cost with
- 4 Custom sizing available to meet

Shaped Panels

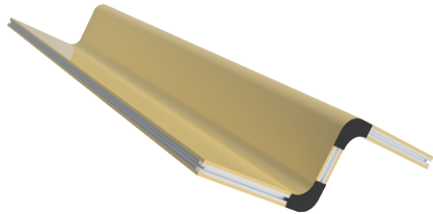
Forming Width: ≤1180mm Forming Angle: ≤180° Forming Radius: 50-3000mm



L-Shaped Square Corner



L-Shaped Curved Corner



Z-Panel



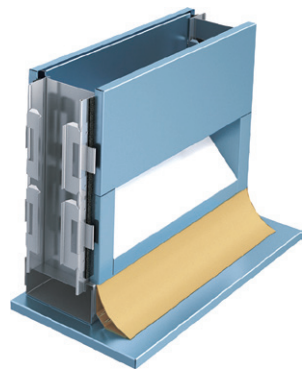
S-Panel



C-Panel

Assembly Applications

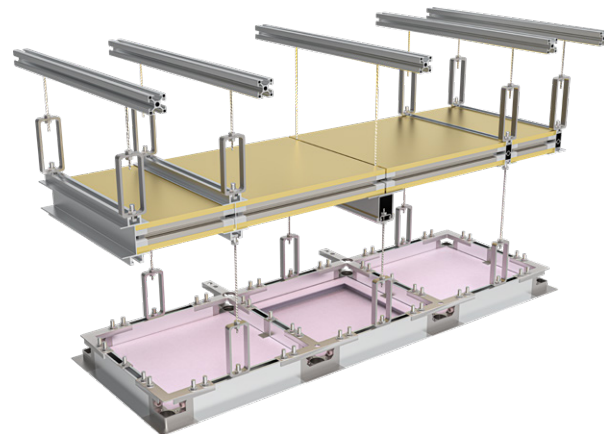
Hollow Spring Clip Wall



- 1 Enables rapid installation and disassembly, can be equipped with an independent and reliable
- 2 Utilizes an H-frame skeleton system to enhance wall strength.
- 3 Smooth and aesthetically pleasing surface finish.
- 4 Lightweight design for quick installation and removal.

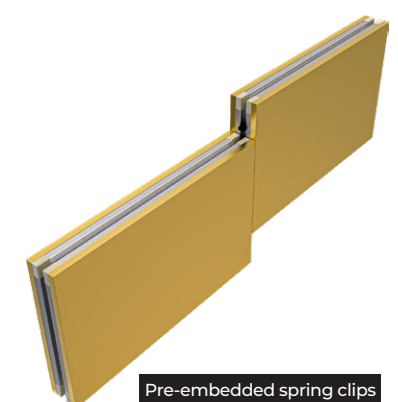
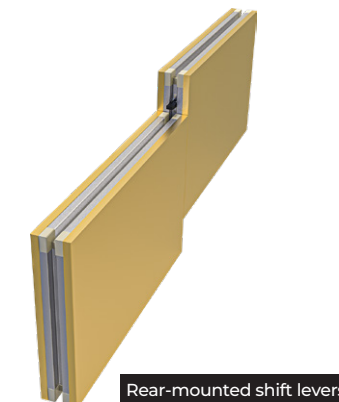
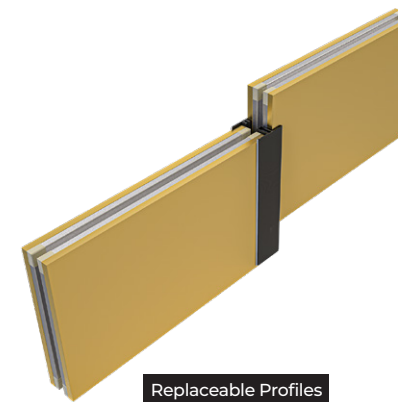
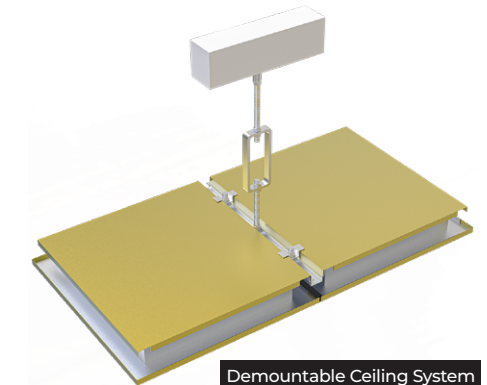
Double-Layer Ceiling Systems

- 1 Designed to meet FFU equipment installation requirements in high-precision manufacturing industries, featuring a high load-bearing
- 2 Panel systems can be custom-sized to suit on-site requirements, enabling prefabricated



Demountable Panel Systems

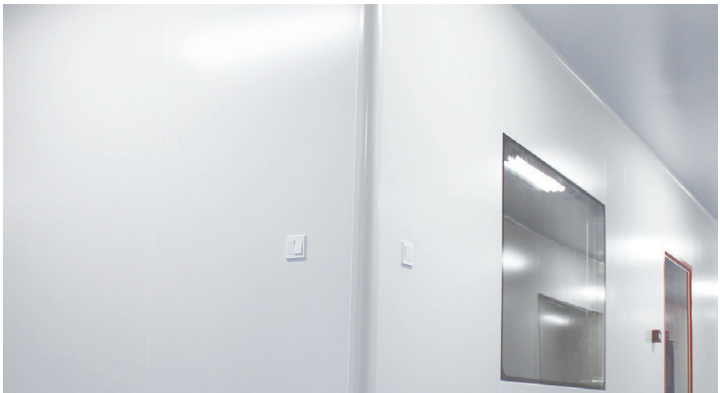
Individual panels can be easily replaced in case of localized damage or process openings, enabling quick and convenient installation and removal—saving significant labor and material costs.



Customization Options

Pre-embedded Conduits

- 1 Factory Pre-embedded Conduits, Reducing On-Site Complexity.
- 2 While Ensuring Panel Integrity and Aesthetic Finish.



Integrated Windows

- 1 Seamless Wall Integration: Flush-Mounted Windows Create a Smooth, Dust-Resistant Surface for Effortless Cleaning



Pre-reserved Openings

- 1 Factory-prefabricated openings ensure clean, easy installation, eliminating on-site cutting and reducing job
- 2 Factory prefabrication incorporates reinforced framing to enhance overall panel strength.



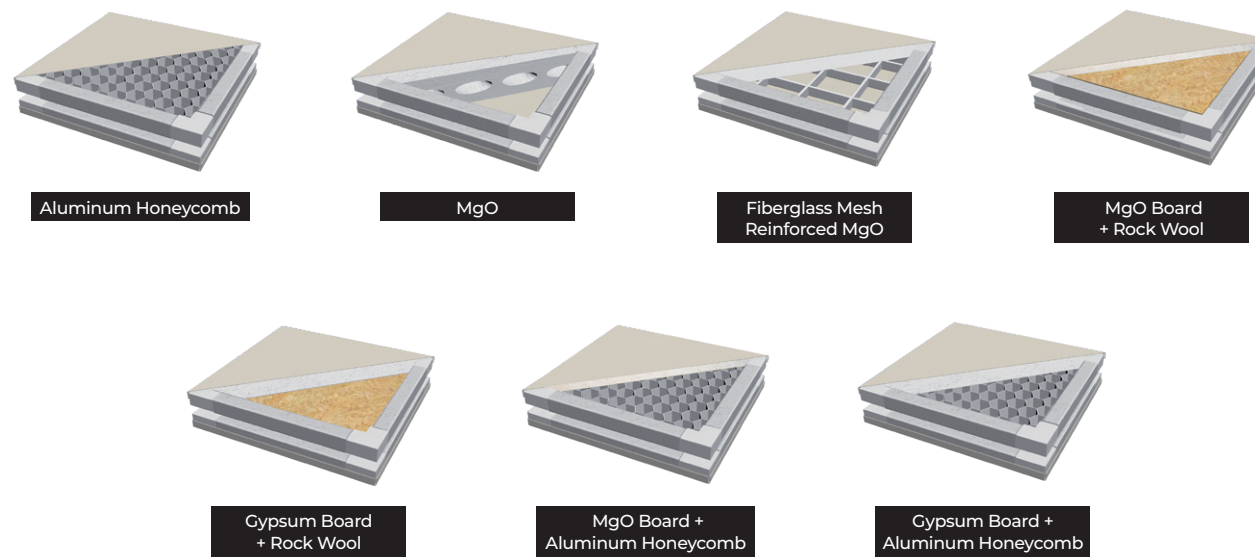
Built-in Air Ducts on Panels

- 1 Optimized Spatial Efficiency: Eliminates Return Air Columns, Maximizing Usable Space While Maintaining a



Core Material Options

Technical specifications



Core Material	Rock Wool	Aluminum Honeycomb	MgO	Fiberglass Mesh Reinforced MgO	MgO Board + Rock Wool		Gypsum Board + Rock Wool	MgO Board + Aluminum Honeycomb	Gypsum Board + Aluminum Honeycomb
					Single-Layer MgO Board	Double-Layer MgO Board			
Panel Thickness	50, 75, 100 150, 200mm	50, 75, 100 mm	50, 75, 100 mm	50, 75, 100 mm	50, 75, 100 150, 200mm	50, 75, 100 150, 200mm	50, 75, 100 150, 200mm	50, 75, 100 150, 200mm	50, 75, 100 150, 200mm
Recommended Wall Panel Length	≤6000mm	≤4000mm	≤4000mm	≤6000mm	≤6000mm	≤6000mm	≤6000mm	≤6000mm	≤6000mm
Recommended Ceiling Panel Length	≤3000mm	≤3000mm	≤3000mm	≤5000mm	≤3000mm	≤3000mm	≤3000mm	≤3000mm	≤3000mm
Wall Panel Width	/	/	/	/	980mm, 1180mm and Non-Standard Sizes				
Fire Resistance Rating	≥0.5h	≥0.5h	≥12h	1.0h	1.0h	2.0h	/	/	/
Flexural Capacity	≥1.5KN/m²	≥1.5KN/m²	2.82KN/m²	2.71KN/m²	1.34 KN/m²	2.82 KN/m²	2.56KN/m²	4.1KN/m²	3.76KN/m²
Applicable Panel Type	Center-Tongue Tongue-and-Groove Machine-Made Panel	Center-Tongue Tongue-and-Groove	Tongue-and-Groove Machine-Made Panel		Center-Tongue Tongue-and-Groove				
Core Material Density	100kg/m³ — 150kg/m³	/	/	/	/		/	/	/
Thermal Conductivity	≤0.048W/m·K	/	/	/	0.216 W/m·K	0.285 W/m·K	/	/	/
Acidity Coefficient	≥1.8	/	/	/			/	/	/
Honeycomb Diameter	/	≤21mm	/	/			/	≤21mm	≤21mm
Fire Rating	/	/	A1	A1			A2	A2	A2
Others	/	/	/	/	Pre-embedded Conduits & Prefabricated Hollow Framing				

Facing Material Options

Performance features

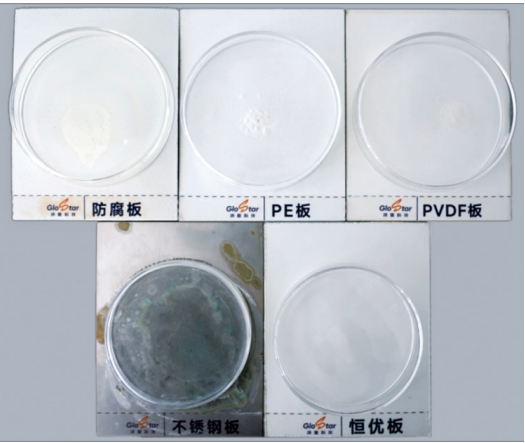
Anti-Static Panel

- 1 The steel sheet coating is enhanced with special conductive materials, achieving a surface resistance of 10⁶–10⁹ Ω/sq to eliminate adverse effects caused by static electricity.
- 2 Suitable for environments requiring static control and high cleanliness, such as electronics manufacturing, semiconductors, combustible gas handling, organic solvents, and biotechnology.



Constant-Excellence

- 1 The outer surface features a non-coating structure with a zero-perforation permeable membrane, effectively preventing corrosive agents from reaching the substrate.
- 2 Chemically inert to common disinfectants such as hydrogen peroxide and VHP, while maintaining excellent performance in high-humidity environments with
- 3 Ideal for environments with stringent cleanliness requirements, including healthcare, food processing, and biopharmaceutical facilities.



Stainless Steel Cleanroom Panel

- 1 Widely used in food processing facilities due to its exceptional weatherability, corrosion resistance, and high cleanability inherent to stainless steel.
- 2 Available in three surface finishes: long-brushed, short-brushed, and mill finish.



Facing Material Options

Performance features

Antibacterial

- 1 Achieves over 99% antibacterial efficacy against E. coli, Staphylococcus aureus, and mold, with an antibacterial activity value >4, certified per QB/T2591-2003.
- 2 Highly effective antibacterial properties significantly reduce cross-contamination risks in clean environments. The antibacterial agents in the topcoat disrupt cellular functions, preventing bacterial reproduction.



Salt-Resistant

Offers superior corrosion resistance compared to standard color-coated steel sheets in acidic or alkaline environments. Available surface textures include smooth and diamond patterns.



PET Anti-Corrosion Panel

Constructed with multi-layer anti-corrosion and anti-aging architecture, overlaid with a PET nano anti-corrosion film. Combines metallic aesthetics with significantly enhanced resistance to water, UV radiation, and chemical corrosion compared to standard coated sheets. Suitable for environments with diverse acidic, alkaline, or UV disinfection conditions.

Cleanroom Door

Technical specifications



Cleanroom Doors



Cleanroom Safety Doors



Stainless Steel Cleanroom Doors



Frameless Cleanroom Doors



Cleanroom Swing Doors

Type	Cleanroom Doors	Cleanroom Safety Doors	Stainless Steel Cleanroom Doors	Frameless Cleanroom Doors	Cleanroom Swing Doors
Door Leaf Thickness	50mm	50mm	50mm	50mm	50mm
Door Leaf Steel Thickness	0.8/1.0mm	0.8/1.0mm	0.8/1.0mm	0.8/1.0mm	0.8/1.0mm
Door Frame Steel Thickness	1.2mm/1.5mm	1.2mm/1.5mm	1.2mm/1.5mm	1.2mm/1.5mm	1.5mm
Core Filling Material	High-Strength Paper Honeycomb / Aluminum Honeycomb	High-Strength Paper Honeycomb / Aluminum Honeycomb	High-Strength Paper Honeycomb / Aluminum Honeycomb	High-Strength Paper Honeycomb / Aluminum Honeycomb	High-Strength Paper Honeycomb / Aluminum Honeycomb
Optional Surface Material	Steel Sheet, Stainless Steel	Steel Sheet, Stainless Steel	304 Stainless Steel	Steel Sheet, Stainless Steel	Steel Sheet, Stainless Steel
Optional Accessories	Windows, Door Closers, Interlocks, Custom Locks, Antibacterial Handles, Access Control Systems, Sensors	Windows, Push Bar Emergency Exit Locks, Push Pad Emergency Exit Locks	Windows, Door Closers, Interlocks, Custom Locks, Handles, Access Control Systems, Sensors	Windows, Door Closers, Interlocks, Custom Locks, Handles, Access Control Systems, Sensors	Windows, Protection Plates, Rubber Bumpers
Door Leaf Type	Single Doors, Double Doors with Leaf, Double Doors	Single Doors, Double Doors	Single Doors, Double Doors	Single Doors, Double Doors	Single Doors, Double Doors
Max Width for Single Leaf Door	1100×2500mm	1100×2500mm	1100×2500mm	1100×2500mm	1100×2500mm
Max Width for Double Leaf Door	2200×2500mm	2200×2500mm	2200×2500mm	2200×2500mm	2200×2500mm

Cleanroom Door

Technical specifications



Melamine Doors

Door Leaf Thickness	50mm
Door Leaf Melamine Board Thickness	0.8/1.0mm
Door Frame Steel Thickness	1.2mm/1.5mm
Core Filling Material	High-Strength Paper Honeycomb / Aluminum Honeycomb / Rock Wool / Polyurethane Foam
Optional Surface Material	Melamine Board
Optional Accessories	Windows, Door Closers, Custom Locks, Access Control Systems
Door Leaf Type	Single Doors, Double Doors
Max Width for Single Leaf Door	1100×2500mm
Max Width for Double Leaf Door	2200×2500mm

Door Leaf Thickness	40mm/50mm
Door Leaf Color SteelPlate Thickness	0.5mm
Door Frame Steel Thickness	1.2mm
Core Filling Material	High-Strength Paper Honeycomb / Aluminum Honeycomb / Rock Wool
Optional Surface Material	Color Steel Plate
Optional Accessories	Windows, Door Closers, Interlocks, Custom Locks, Handles, Access Control Systems, Sensors
Door Leaf Type	Single Doors, Double Doors
Max Width for Single Leaf Door	1100×2500mm
Max Width for Double Leaf Door	2200×2500mm



Color Steel Plate Doors



Automatic Cleanroom Sliding Doors

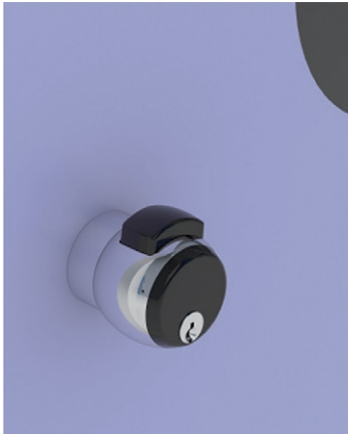
Door Leaf Thickness	40mm
Door Leaf Melamine Board Thickness	1.0mm
Door Frame Steel Thickness	1.5mm
Core Filling Material	High-Strength Paper Honeycomb / Aluminum Honeycomb
Optional Surface Material	Steel Sheet, Stainless Steel
Optional Accessories	Windows, Protection Plates, Sensors
Door Leaf Type	Single Doors, Double Doors
Door Opening/ Closing Speed	250~500mm/s(Adjustable)
Safety Accessories	Infrared Safety Sensors

Standard Door & Window

Accessory Options



Interlocks



Elbow-Actuated Lock



Door Closer

Electric Automatic Door Operator



Cleanroom Windows

Technical specifications



Overall Thickness	50mm / 75mm / 100mm / Custom
Glass Thickness	5mm / 6mm / 8mm
Silk-Screen Printing Width	23mm / Custom
Silk-Screen Printing Color	Black / White / Custom
Silk-Screen Printing Pattern	Outer Square + Inner Circle / Outer Square + Inner Square / Outer Circle + Inner Circle
Others	Concealed Distributed Moisture Absorption Holes / Small Particle Molecular Sieve Design



Cold Storage Systems



01

Polyurethane
Cold Storage Panel

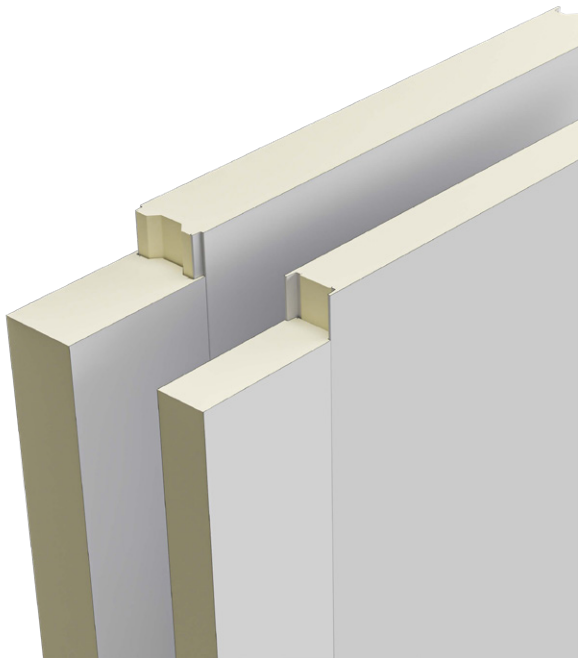
02

Cold Storage
Insulation Door

Polyurethane Cold Storage Panel

Performance features

- 1 Operating temperature range: -80℃ to +100℃
- 2 Excellent thermal insulation and moisture-proof performance
- 3 Lightweight, rot-proof, with good flame retardancy
- 4 High compressive strength and strong seismic
- 5 Flexible cold storage assembly and easy instal-



Technical specifications

Face Material	Length (mm)	< 24,000	
	Width (mm)	920-1,130	
	Thickness (mm)	0.5-0.8 (coated steel panel)	0.46-0.7(stainless steel panel)
	Coating	PVDF / HDF / PE	
Insulated core	Core Material	PIR / PUR	
	Density (kg/m³)	40±2	
	Thickness (mm)	20-300	
	Thermal Conductivity (w/m·k)	≤ 0.023	
	Fire Rating	B1	
Others	Matchboard	Two-sided Matchboard	Panel Type: Type C / Type E
	Central Seam Treatment	PU foam filling	
	Surface Texture	Flat Surface / Straight Rib / Watery Ripple	
	Manufacturing Process	Continuous line production	

Illustration for the joint



Type C plug



Type E plug

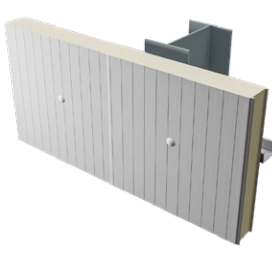
Common Installation Details



Wall Panel and Corner Top Panel



Wall Panel and Partition



Reinforced Installation of Wall Panel



Wall Panel Corner



Wall Panel Installation



Top Panel Hanging System

Cold Storage Sliding Door

Technical specifications



Max Dimensions	W 3,000mm x H 8,000mm
Power Supply	220V, 50HZ, motor power of 0.75-1.5KW, heating cable of 30W/m for electrical components and mechanical parts
Operating Speed	0.3-1.0m/s
Operating Life	Not less than 1,000,000 cycles
Operation Mode	Remote control, manual, motorized (pull cord switch or button), linkage with relevant equipment
Insulation Performance	Thermal conductivity of 0.183W/m²K
Door Thickness	100/150mm, cold bridge cutoff structure
Door Material	Color-coated Steel Plate: Thickness of 0.6-0.8mm, PE, color customizable Stainless Steel Plate: Thickness of 0.8-1.0mm, standard color

Cold Storage Swing Door



Max Dimensions	W 3,000mm x H 5,000mm
Power Supply	220V, 50HZ, 30W/m of heating cable for electrical components and mechanical parts
Operating Life	Not less than 1,000,000 cycles
Insulation Performance	Thermal conductivity of 0.183W/m²K
Door Thickness	100/150mm, cold bridge cutoff structure
Door Material	Color-coated Steel Plate: Thickness of 0.6-0.8mm, PE, color customizable Stainless Steel Plate: Thickness of 0.8-1.0mm, 2B finish / brushed / embossed

Cold Storage Sliding Door

Cold Storage Quick Lifting Door



Max Dimensions	W 3,000mm x H 5,000mm
Power Supply	220V, 50HZ, motor power of 1.5KW, heating cable of 30W/m for electrical components and mechanical parts
Operating Speed	0.8m-2.4m/s
Operating Life	Not less than 1,000,000 cycles
Operation Mode	Remote control, manual, motorized (pull cord switch or button), linkage with relevant equipment
Insulation Performance	Low thermal conductivity material, quick opening to block air convection and reduce energy consumption
Door Thickness	10-60mm, cold bridge cutoff structure
Door Material	Low temperature resistant PVC door curtain, color customizable

Cold Chain Logistics Lifting Door



Max Dimensions	W 4,000mm x H 7,000mm
Power Supply	220V, 50HZ, motor power of 1.5KW, heating cable of 30W/m for electrical components and mechanical parts
Operating Speed	0.8m-2.4m/s
Operating Life	Not less than 1,000,000 cycles
Operation Mode	Manual (pull cord), radar, geomagnetic, remote control, equipment linkage
Insulation Performance	Heat transfer coefficient 0.183 W/m²·K
Door Thickness	100/150mm
Door Material	PVC door / cold bridge cutoff aluminum profile door, color customizable

Interior Fit-Out Systems



01

Ceiling Systems

02

Wall Systems

03

Partition
Systems

04

Medical Door
Systems

Systematic Advantages

Safe & Eco-Friendly: Seismic Resistance, Durability, High Strength, Functionality, System Integration, Corrosion Resistance, Resistance Acid & Alkali Resistance, Salt Spray Resistance, Easy to Clean, Easy to Dismantle

Easy Dismantling: Enables material recycling and rapid on-site reassembly

Space-Saving: Unlocking infinite possibilities through optimized spatial design

Custom Solutions: Personalized & diverse options tailored to client needs

Prefabricated Integrated Solutions: Comprehensive turnkey systems for efficient construction

From product information and project consultation to large-scale production and on-site service support. Every detail is refined to deliver comprehensive architectural decoration solutions for our clients.

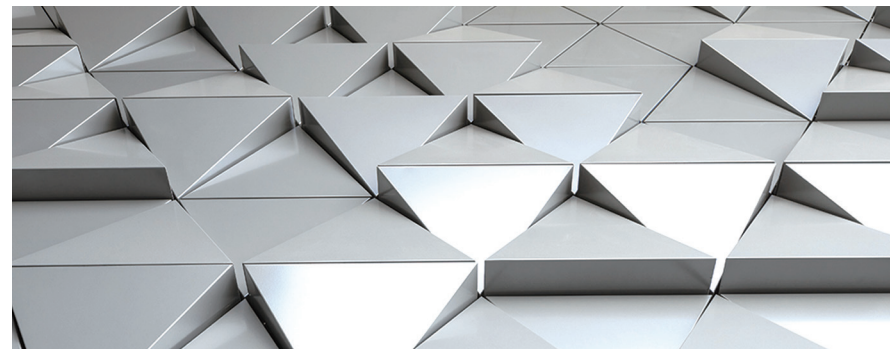


Flexible space



Single-Curved Profiles

Cylindrical Profiles



Triangular Profiles

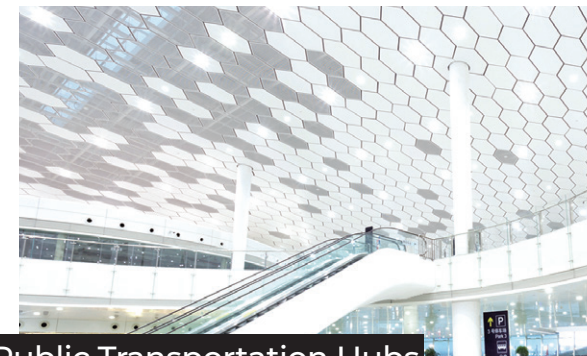
Custom Profiles



Product Applications



Exhibition Centers



Public Transportation Hubs



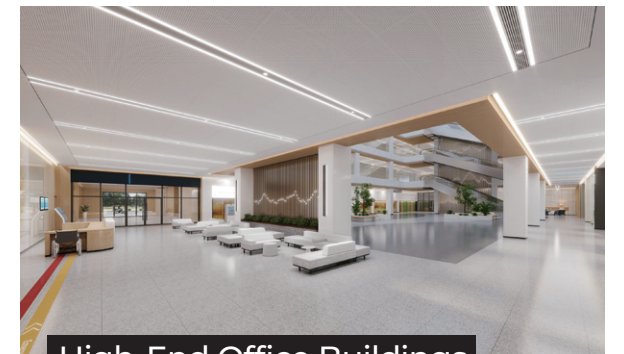
Hospitals



Shopping Centers



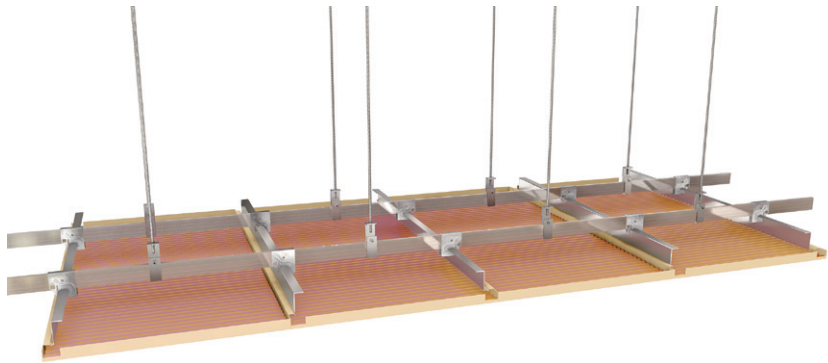
Convention Centers



High-End Office Buildings

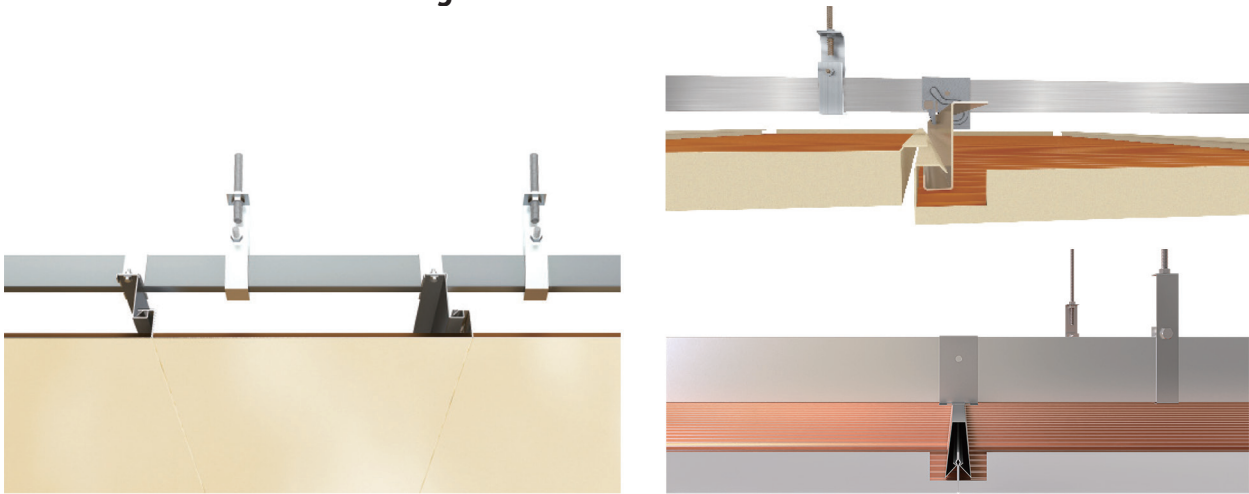
Ceiling Systems

Corrugated Metal Composite Ceiling



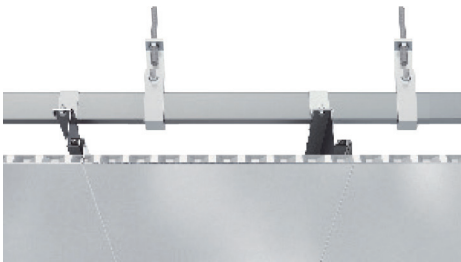
Project	Standard Specifications & Parameters
Material	Aluminum Sheet (3000 or 5000 Series)
Fire Rating	Class A (GB8624-2012)
Corrugation Height	8mm, 12mm (Customizable)
Dimensions	600×6000mm, 900×6000mm, 1200mm×6000mm (Custom sizes available)
NRC	0.7
Deformation Resistance	The air layer within the aluminum corrugated composite panel is divided into numerous sealed cells by the facings and the corrugated core. This unique structure delivers exceptional strength, hardness, and ultra-high stiffness—performance that traditional aluminum composite panels (ACP) and solid aluminum sheets cannot match.

Illustration for the joint

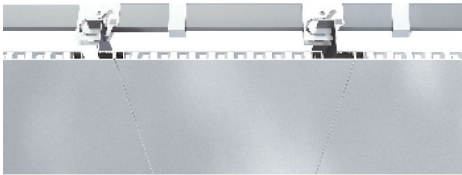


Ceiling Systems

Honeycomb Metal Composite Ceiling



MC-H10 Interlocking Ceiling System

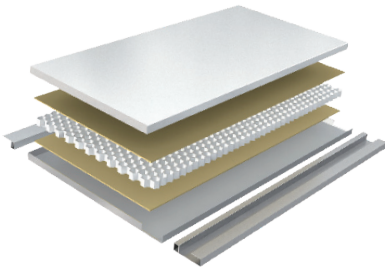
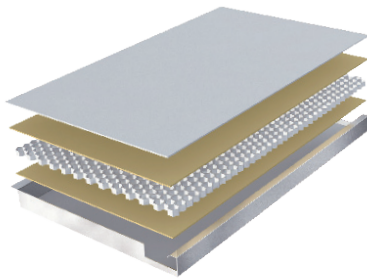


MC-HS10 Interlocking Ceiling System

- 1
- Simple and stable installation structure with concealed suspension, enabling easy and convenient mounting and demounting.
- 2
- Unique hook-edge design on panel edges ensures precise joint alignment, resulting in tighter and smoother panel-to-panel seams.

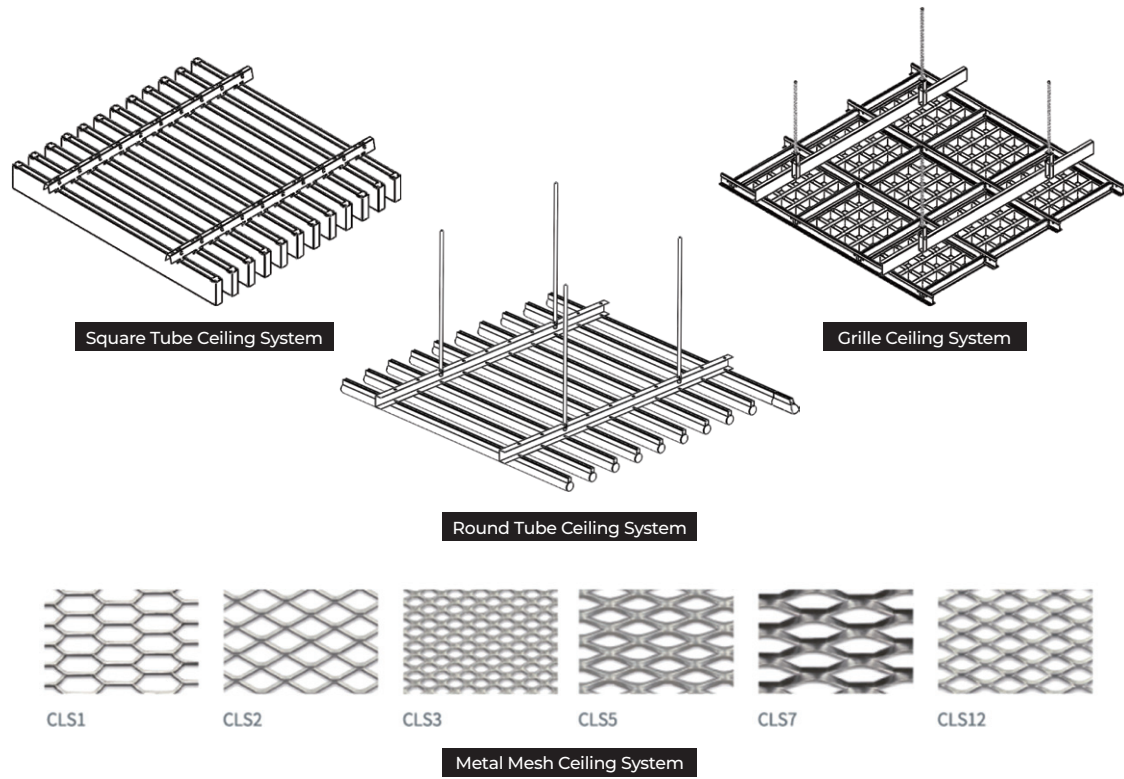
Project	Standard Specifications & Parameters
Material	Aluminum Sheet / Steel Sheet
Fire Rating	Class A (GB8624-2012)
Honeycomb Core Height	8.5mm, 13.5mm, 18.5mm, 23.5mm (Customizable)
Dimensions	600×6000mm, 900×6000mm, 1200mm×6000mm (Custom sizes available)
NRC	0.75
Deformation Resistance	Bending Stiffness: 2.45×10 ⁹ N·mm ² (Tested) Standard Requirement: ≥1.0×10 ⁹ N·mm ² (JC/T 2113-2012) Shear Stiffness: 4.91×10 ⁵ N (Tested) Standard Requirement: ≥1.0×10 ⁵ N (JC/T 2113-2012)

Illustration for the joint



Ceiling Systems

Open-Cell Metal Ceiling



Square Tube Ceiling System



Round Tube Ceiling System



Grille Ceiling System



Metal Mesh Ceiling System

Project	Standard Specifications & Parameters		
	Color	Dimensions (mm)	Thickness (mm)
Square Tube Ceiling System	Custom	30×100, 50×100	Steel: 0.6, Aluminum: 0.8-1.2
Round Tube Ceiling System	White, Wood Grain	Φ30, Φ50	Aluminum Extrusion: 1.0, 1.2
Grille Ceiling System	Custom	600×600, 600×1200	Aluminum: 0.5
Shaped Ceiling Systems	Custom	Custom	Custom

Metal Mesh Ceiling System Model	Standard Specifications & Parameters			
	Open Area Ratio	Thickness (mm)	Dimensions (mm)	Weight (kg/m²)
CLS1	69%	2	13×50×2	1.68
CLS2	66.7%	2.2	15×30×2.5	1.81
CLS3	42.5%	2.0	8×16×2.3	3.2
CLS5	42.5%	2.5	16×38×4.6	3.9
CLS7	69.4%	2	17×51×2.6	1.65
CLS12	52.7%	2	11×25×2.6	2.56

Wall system

Corrugated Metal Composite Wall Panels



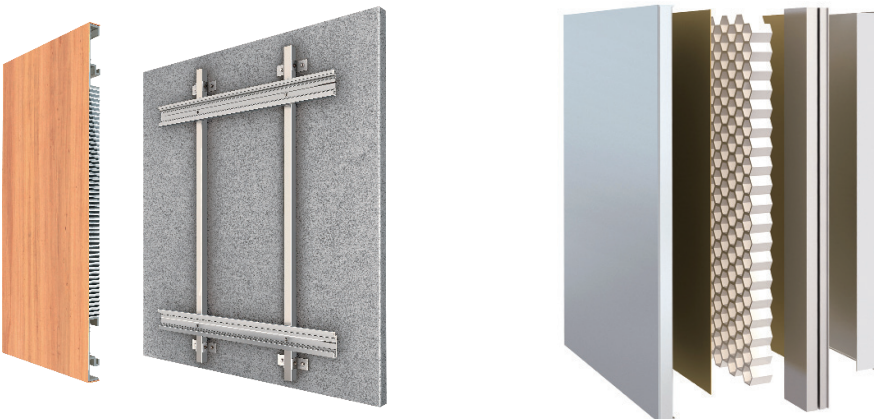
PW-SC-S5 Snap-Fit Wall Panel System

PW-HC18-S1 Snap-Fit Wall Panel System

Project	Standard Specifications & Parameters
Material	Aluminum Sheet / Steel Sheet
Fire Rating	Class A (GB8624-2012)
Corrugation Height	12mm (Customizable)
Corrugated Core Material	Aluminum / Steel
Dimensions	W≤1200mm, L≤12000mm
Flatness	Achieves large-format panels with exceptional surface flatness, perfectly realizing grand, expansive, and fluid design visions.
Deformation Resistance	The air layer within the aluminum corrugated composite panel is divided into numerous sealed cells by the facings and the corrugated core. This unique structure delivers exceptional strength, hardness, and ultra-high stiffness—performance that traditional aluminum composite panels (ACP) and solid aluminum sheets cannot match.

Wall system

Honeycomb Metal Composite Ceiling



Project	Standard Specifications & Parameters
Material	Aluminum Sheet / Steel Sheet
Fire Rating	Class A (GB8624-2012)
Honeycomb Core Height	8.5mm, 13.5mm, 18.5mm, 23.5mm (Customizable)
Dimensions	L≤12000mm
Deformation Resistance	Bending Stiffness: 2.45×10 ⁹ N·mm ² (Tested) Standard Requirement: ≥1.0×10 ⁹ N·mm ² (JC/T 2113-2012) Shear Stiffness: 4.91×10 ⁵ N (Tested) Standard Requirement: ≥1.0×10 ⁵ N (JC/T 2113-2012)

Illustration for the joint



PW-HB10 Suspended Wall Panel System

CW-FC-S1 Tongue-and-Groove Wall Panel System

CW-BC25-S15 Bolted Wall Panel System

Partition wall system

Honeycomb Metal Composite Ceiling



- 1 Unique double-stud framing design enhances overall skeleton rigidity for excellent mechanical performance.
- 2 Built-in EPDM sealing strips ensure effective acoustic and air sealing.
- 3 Closed-seam welding technology creates tighter and more stable connections.
- 4 Accommodates various wall thicknesses by configuring different stud connector profiles—reducing material usage compared to integrated stud systems.
- 5 Enhanced connectivity for external accessories, facilitating the installation of decorative panels or furniture components.
- 6 On-site prefabricated assembly with a simplified process—requiring minimal complex connectors, no welding, and no cutting.



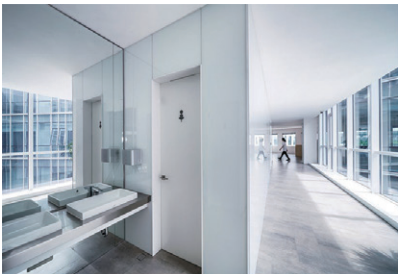
Demising Walls



Corridor Partitions



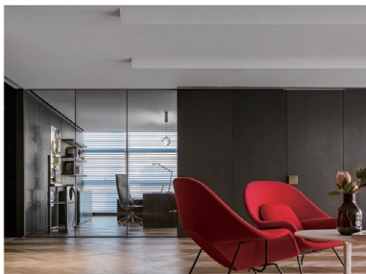
Fire Walls



Wet Area Partitions



Decorative Wall Panels



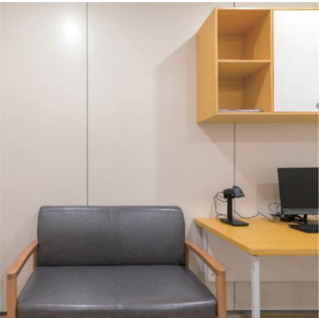
High Sound-Insulation Partitions

Honeycomb Metal Composite Ceiling

Technical specifications

Project	Specifications
Overall Thickness	90–300mm (Customizable)
Dimensions	Width: 925–1200mm / Height: 2500/2700/3000/3500/4000/4500mm
Base Material	Pre-roll-coated color steel coil, zinc coating ≥ 60g/m²
Core Material	High-strength corrugated steel sheet (0.18mm) or 12.2mm fire-rated gypsum board
Adhesive	High-strength two-component polyurethane adhesive (Henkel, Germany)
Surface Finish	Coating thickness ≥ 25µm / Pencil hardness ≥ 2H (Standard: Q/320115GML02-2007)
Connecting Framing	Clip-in framing / Double-piece hanging framing
Product Performance	Fire-resistant, non-combustible, high strength, formaldehyde-free, durable, antibacterial, and easy to clean—ideal for public spaces and facilities.
Fire Resistance	Compliant with GB/T 9978.1-2008 "Fire Resistance Test Methods for Building Elements" — 2 hours or more.
Eco-Friendly	Materials are reusable, causing no ecological harm during production, use, or recycling.
Cost Efficiency	Modular structure accelerates on-site installation, reducing labor costs. Panels remain demountable and reusable after installation, lowering life-cycle maintenance and replacement costs.

Customization



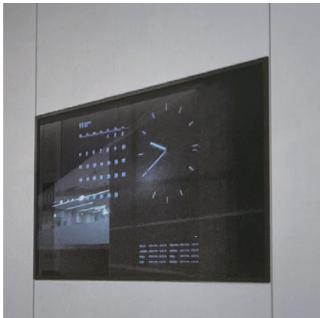
Suspension Systems



Recessed Bathroom Fixtures



Embedded Reinforcement



Recessed TV Units



Medical Headwall Systems

Partition wall system

High-End Prefabricated Glass Partition Wall System

- 1 Easy to assemble and dismantle, with enhanced fire and impact resistance—featuring a minimalist, transparent design and sleek technological lines.
- 2 Demountable structure enables recycling of



- 3 Zero formaldehyde pollution indoors.
- 4 Compatible design for flexible integration.



Office Buildings



Commercial Buildings

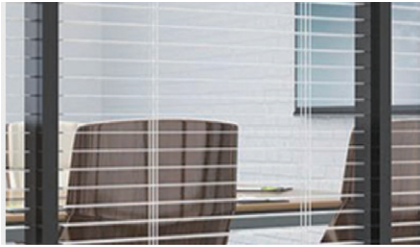


Healthcare Facilities



Residential Buildings

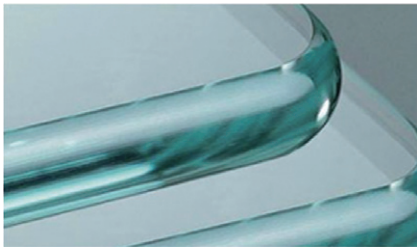
Project	Specifications
Type Description	High-End Prefabricated Glass Partition Wall System (Exposed Frame / Concealed Frame)
Surface Facing	Glass panels (tempered / fire-resistant, thickness 6/8/10mm)
Translucent Cavity	25mm-wide horizontal metal venetian blinds (optional: manual knob or magnetic control)
Standard Color	Brown-Gray
Wall Thickness	94-200mm (Customizable)
Wall Height	2100-4500mm (Customizable)
Wall Width	800-1200mm (Customizable)
Sound Insulation Rating	Rw = 45 dB (Laboratory Test Data)
Applicable Standard	GB/T 50121-2005
Lateral Strength	700 N·m
Applicable Standard	GB/T 1981-2008



Blinds



Rotary Knob Switch



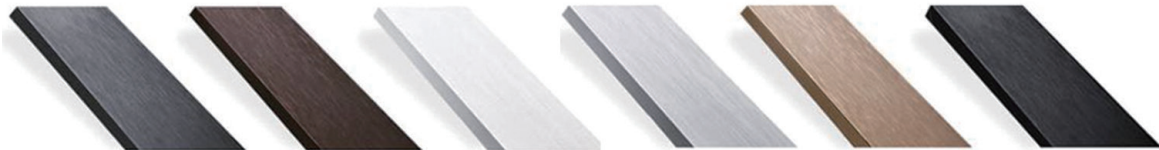
Shatter-Resistant Tempered Glass



Custom Door Frames



Magnetic Slider



Custom Color Options

Medical door system

Doors for Outpatient & Ward Areas



Patient Room Doors



Consultation Room Doors

Project	Patient Room Doors	Consultation Room Doors
Door Leaf Thickness	40mm/50mm	40mm/50mm
Door Leaf Steel Thickness	0.8-1.0mm	0.8-1.0mm
Door Frame Steel Thickness	1.5mm	1.5mm
Core Material	High-Strength Paper Honeycomb / Aluminum Honeycomb	High-Strength Paper Honeycomb / Aluminum Honeycomb
Optional Accessories	Electric Door Operator, Vision Panel, Transom, Door Header	Vision Panel, Transom, Door Header
Max Width for Single Leaf Door	1250×2500mm	1250×2500mm
Max Width for Double Leaf Door	2500×2500mm	2500×2500mm

Medical door system

Doors for Functional Diagnosis & Treatment Areas



Operating Room Doors



Radiation-Shielded Doors

Project	Operating Room Doors	Radiation-Shielded Doors
Door Leaf Thickness	40mm/50mm	40mm/50mm
Door Leaf Steel Thickness	1.0mm	1.0mm
Door Leaf Frame Thickness	≥1.0mm	≥1.0mm
Opening/Closing Speed	250–500 mm/s (Adjustable)	250–500 mm/s (Adjustable)
Power Supply Requirements	220±20%VAC,50/60Hz	220±20%VAC,50/60Hz
Controller	Optional activation sensor	Optional activation sensor
Sound Insulation	Rw = 33 dB, Class 3 (GB/T 8485-2008)	Rw = 33 dB, Class 3 (GB/T 8485-2008)
Impact Resistance	Compliant with GB/T 20909-2017	Compliant with GB/T 20909-2017
Thermal Insulation	Heat Transfer Coefficient K = 2.8 W/(m²·K), Class 5	Heat Transfer Coefficient K = 2.8 W/(m²·K), Class 5
Core Material	Polyurethane Foam / Paper Honeycomb	2.5mm Lead Sheet / Polyurethane Foam / Paper Honeycomb
Max Width for Single Leaf Door	1250×2500mm	1250×2500mm
Max Width for Double Leaf Door	2500×2500mm	2500×2500mm

Medical door system

Doors for Administrative Office Areas



Administrative Office Doors

Project	Administrative Office Doors
Door Leaf Thickness	40mm/50mm
Door Leaf Steel Thickness	0.8-1.0mm
Door Frame Steel Thickness	1.5mm
Core Material	High-Strength Paper Honeycomb / Aluminum Honey-
Optional Accessories	Vision Panel, Transom, Door Header
Max Width for Single Leaf Door	1250×2500mm
Max Width for Double Leaf Door	2500×2500mm

Medical door system

Doors for Administrative Office Areas



Washroom Doors

Project	Washroom Doors
Door Leaf Thickness	40mm/50mm
Door Leaf Steel Thickness	0.8-1.0mm
Door Frame Steel Thickness	1.5mm
Door Leaf Frame Thickness	≥1.0mm
Sound Insulation	Rw = 33 dB, Class 3 (GB/T 8485-2008)
Impact Resistance	Compliant with GB/T 20909-2017
Thermal Insulation	Heat Transfer Coefficient K = 2.8 W/(m²·K), Class 5
Core Material	High-Strength Paper Honeycomb / Aluminum Honeycomb
Max Width for Single Leaf Door	1250×2500mm

Steel Structure



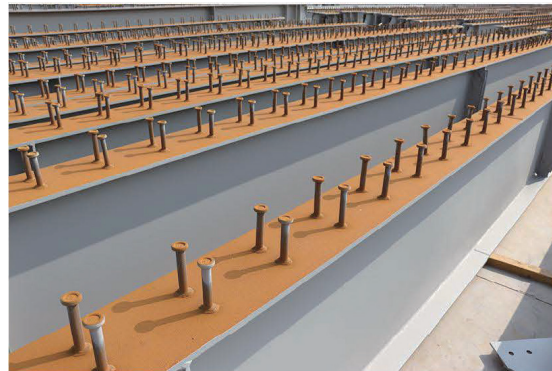
01

Steel Structure
Products

02

Project Cases

Steel Structure Products



Project Cases



Haichang Primary School Project



Rare Earth Automotive Catalysis Innovation Platform Project



Wind Power Equipment Industrial Park Project



Dongying District Public Fitness Center Project



Red Star Macalline Project

**core
competence**



01
Lean
Manufacturing

02
Service & Support

Lean Manufacturing



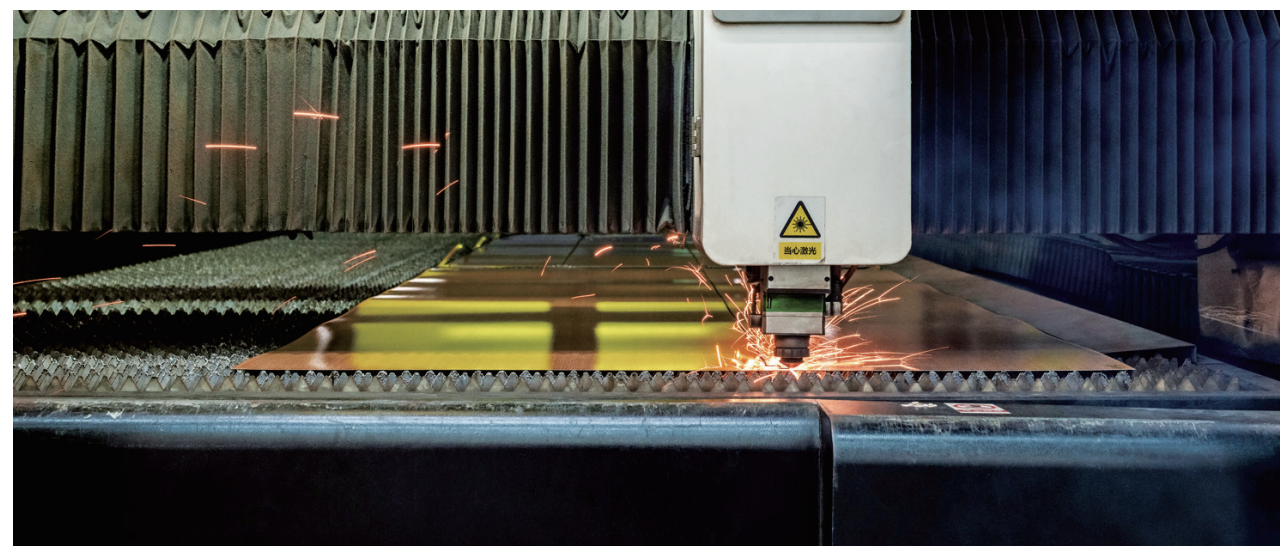
Premium Raw Materials

Glostar Panel is committed to developing high-quality, high-performance products through strategic global sourcing. We have established partnerships with world-leading brands—including POSCO (South Korea), BAOSTEEL (China), EURAMAX (Netherlands), LORIN (France), HENKEL (Germany), and SOUNDTEX (Freudenberg, Germany)—mutually empowering one another to deliver more innovative and market-leading solutions to our customers.



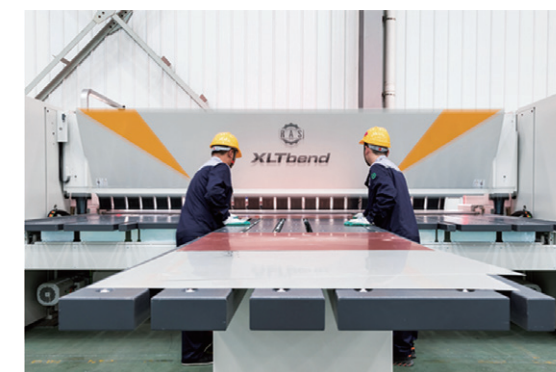
Rigorous Testing

To ensure accuracy and scientific rigor in quality inspection, we have introduced industry-leading testing equipment managed by dedicated professionals. These advanced facilities also enable us to meet customized product requirements tailored to client needs.



Process Equipment

Glostar Panel has independently developed and introduced a range of internationally advanced intelligent manufacturing systems. We operate the most highly automated composite production lines and machining centers in the prefabricated construction sector. Incorporating global design philosophies and production techniques, our equipment ensures rapid manufacturing and exceptional product precision—driving the realization of intelligent manufacturing through technological innovation.



Production Management

To maximize the performance of our product systems, we maintain comprehensive oversight of production personnel, processes, equipment, and environments. Under the guidance of specialized technical engineers, our production staff achieve a high level of expertise. The adoption of TPM (Total Productive Maintenance) on the shop floor guarantees that every product leaving the factory meets the highest standards of quality.

Service & Support



Technical Support Services

Glostar Panel is supported by a dedicated technical team offering comprehensive design assistance and engineering services to architects, building owners, and contractors—covering architectural design, product application, code compliance, installation guidelines, and on-site coordination.

Drawing on years of specialized experience in building envelope systems, we deliver optimized technical designs and cost-effective solutions. For active projects, we collaborate with our certified installers to provide turnkey support—from bidding assistance to code-compliant construction.

On-Site Assembly Support

Our team of field service engineers and technical specialists provides on-site assembly support and installation training. We also offer integrated solutions including site supervision and mechanical processing as needed.



360° Customer Follow-Up Service

Guided by a commitment to "wholehearted customer service," our professional team ensures a seamless 360° experience—from rapid sample delivery, product demonstrations, technical documentation, and quotations to contract execution, material sourcing, quality inspection, delivery scheduling, and financial settlement—all managed through an integrated digital platform for smooth pre-sales, sales, and after-sales support.

To maintain the highest levels of customer satisfaction, we conduct regular client follow-ups and actively gather feedback—ensuring we remain responsive and competitive in the marketplace.