



Product introduction



01

Factory Introduction



PRODUCTION LINE

The Unique Production Line of Sandwich Panel with invention patent

自主研发全自动智能化高端声学建筑板材生产线





PRODUCTION LINE-2



Swiss Rongshi & German schneider metal bending machine to make all kinds of metal cover for warehouse.





02

product and service





Steel Structure System

Main Structure





Steel Structure System



1 Portal frame



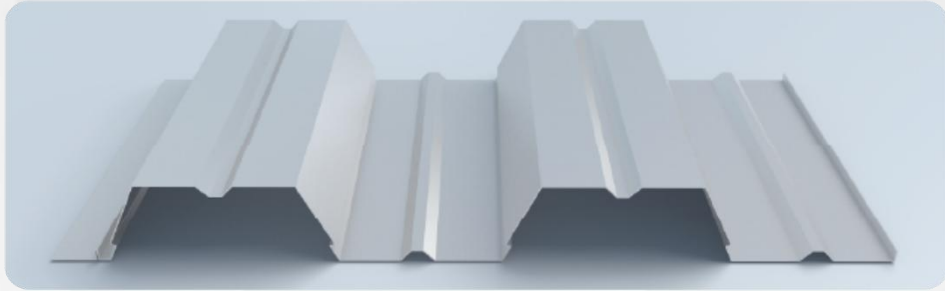
2 Truss structure



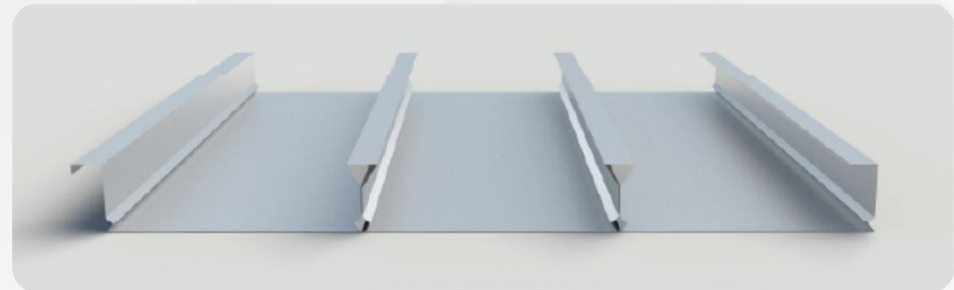
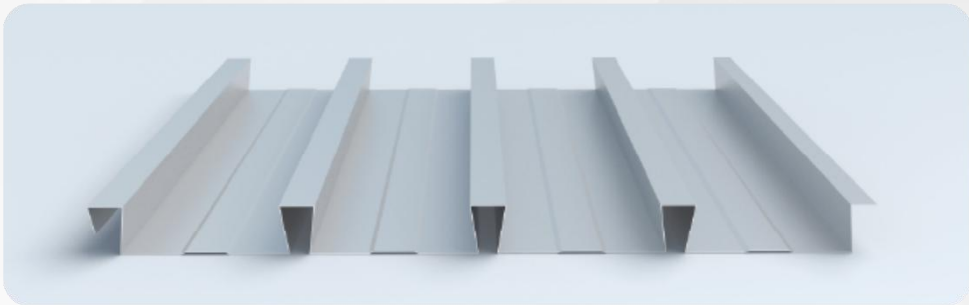
3 Grid structure



Steel Structure System



Floor decking sheet

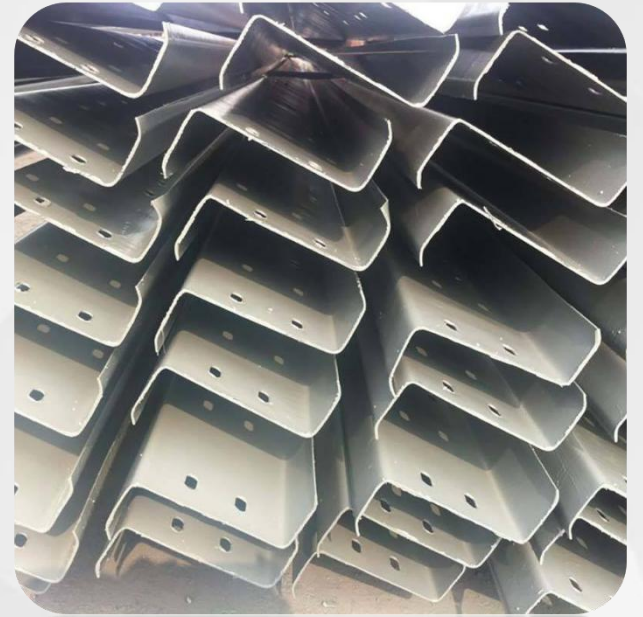
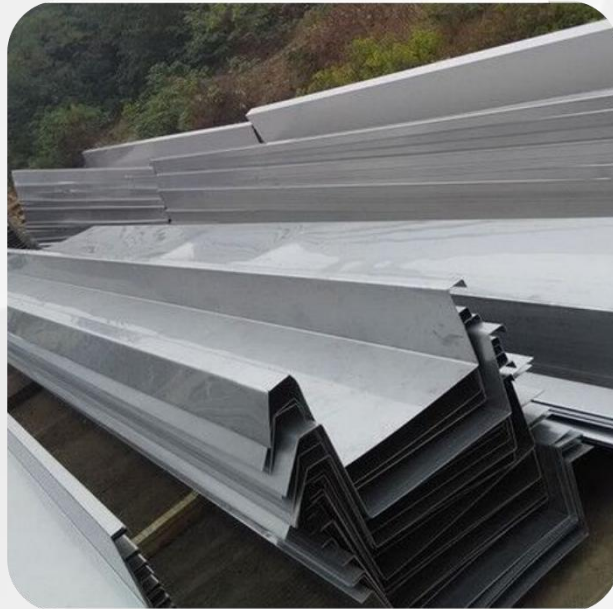




Steel Structure System

Secondary Structure

(C and Z steel purlin)





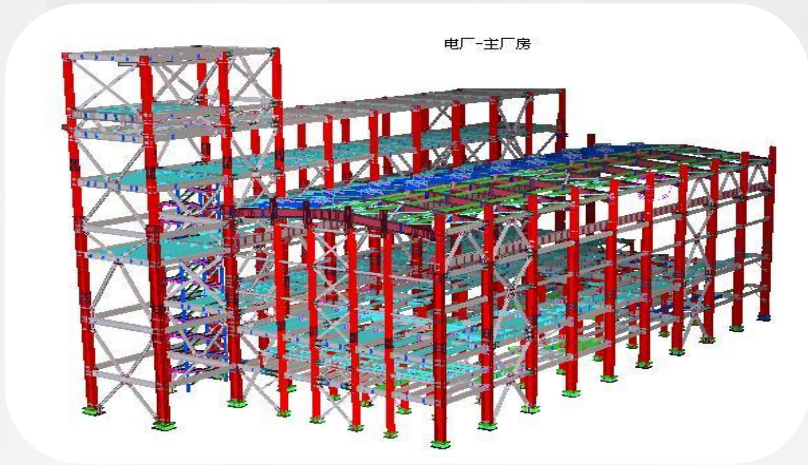
Steel Structure System



	C- Steel Purlin table	Thickness
No.	Size of C Steel Purlin	1-3.5mm
1	C100*50*20	1-3.5mm
2	C120*50*20	1-3.5mm
3	C120*60*20	1-3.5mm
4	C140*50*20	1-3.5mm
5	C120*70*20	1-3.5mm
6	C140*60*20	1-3.5mm
7	C160*60*20	1-3.5mm
8	C160*70*20	1-3.5mm
9	C180*70*20	1-3.5mm
10	C200*70*20	1-3.5mm
11	C220*70*20	1-3.5mm
12	C250*75*20	1-3.5mm
13	C250*80*20	1-3.5mm
14	C280*70*20	1-3.5mm
15	C280*80*20	1-3.5mm
16	C300*80*20	1-3.5mm

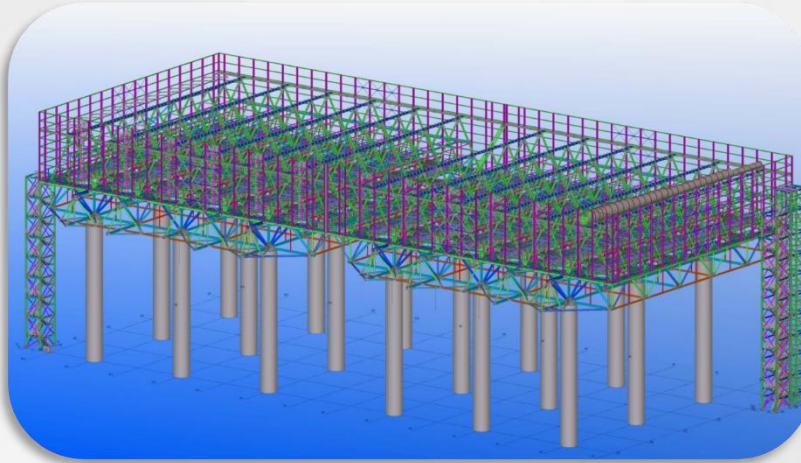


Steel Structure System



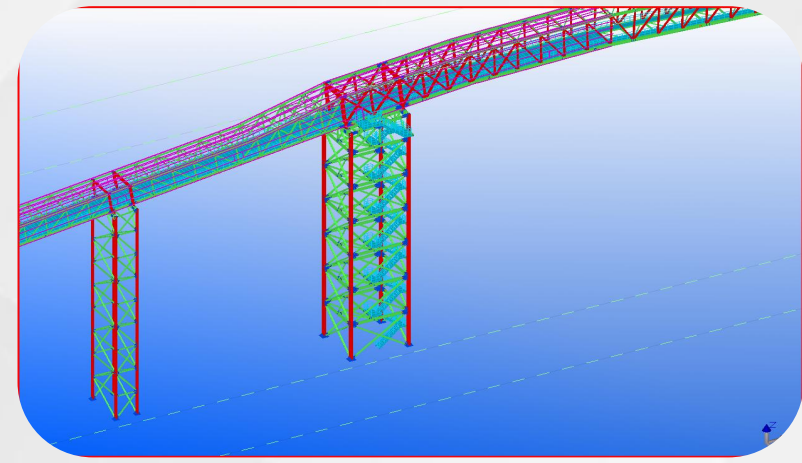
1

Main building of power plant



2

Air cooling island

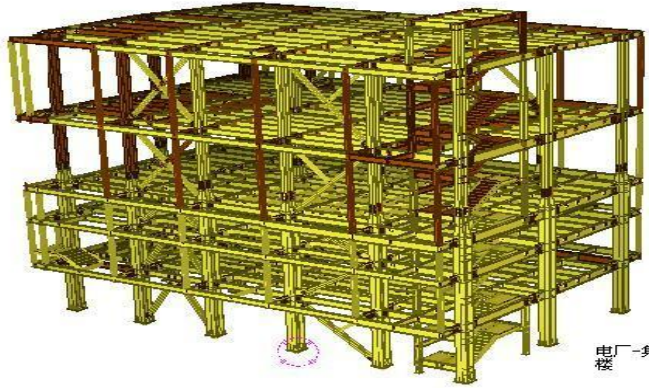


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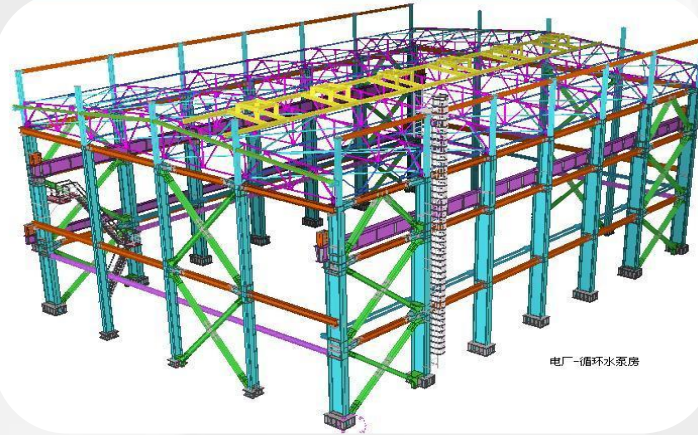
Steel structure trestle



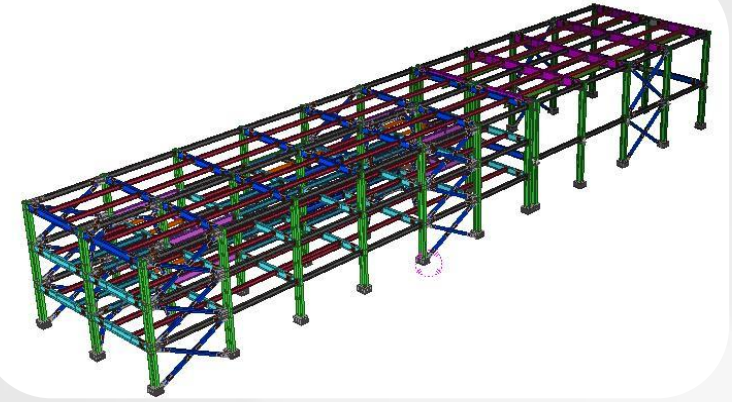
Steel Structure System



电厂-集控楼



电厂-循环水泵房



1

Centralized control building model

2

Circulating water pump house

3

Production and building model maintenance room



Metal Cladding

Roof System



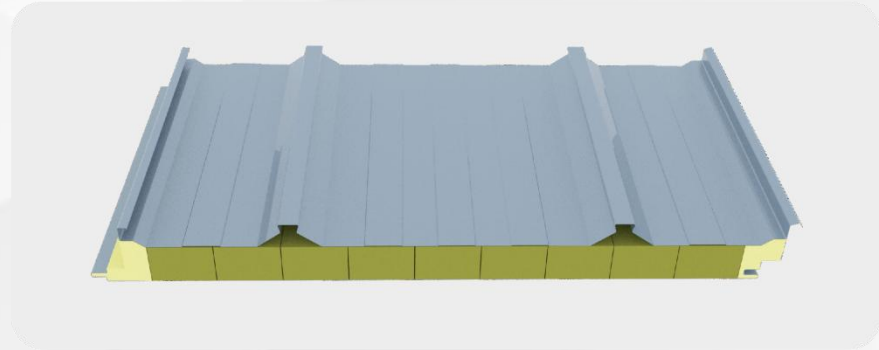


Metal Cladding



1

Roof system at site

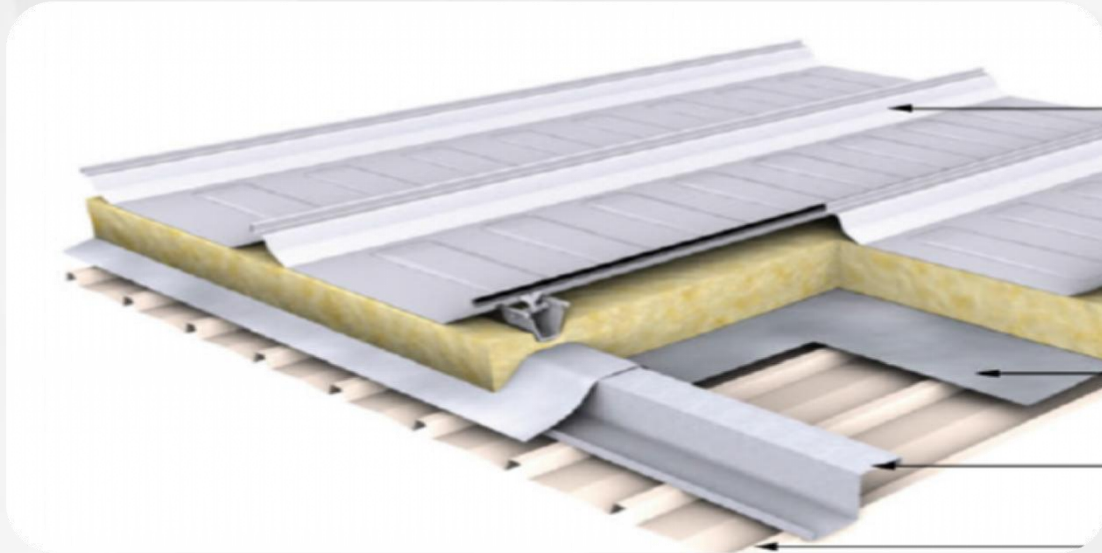


2

360° Lock Roof Panel



Roof System at Site



U-470 vertical locking roof plate

rock wool insulation layer

support

Vapor barrier

Purlin

Base plate(many choices)

①Roof system construction diagram

②Dedicated vertical edge locking machine

③Dedicated sliding bracket

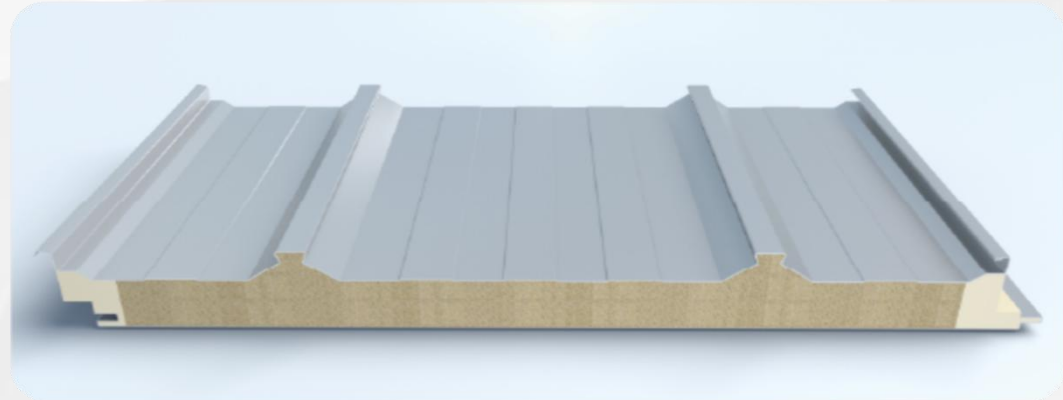
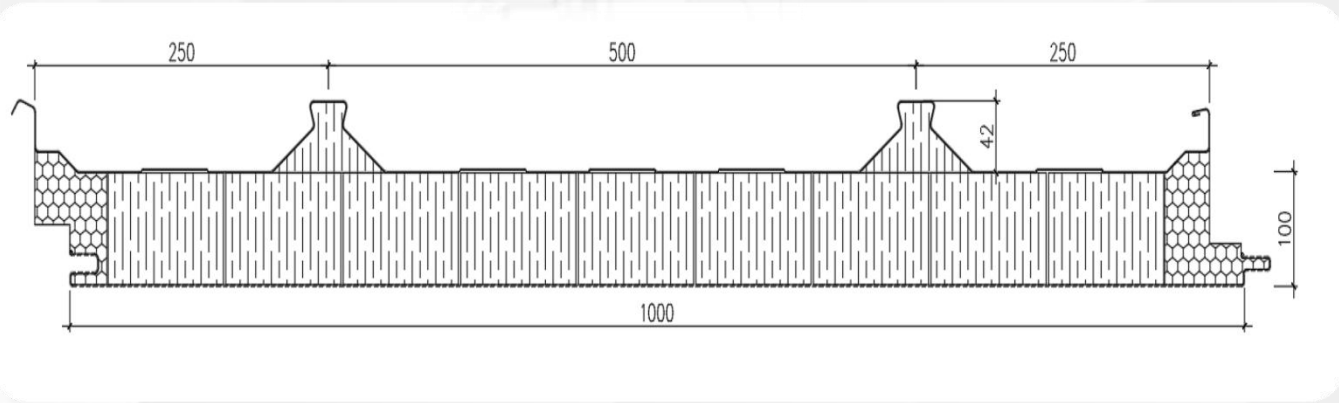
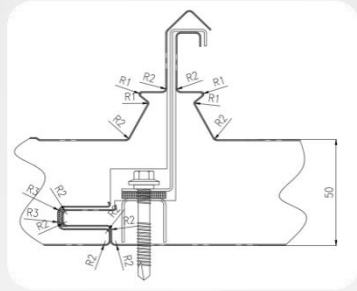
④U-470vertical locking roof plate

⑤Effect of the project





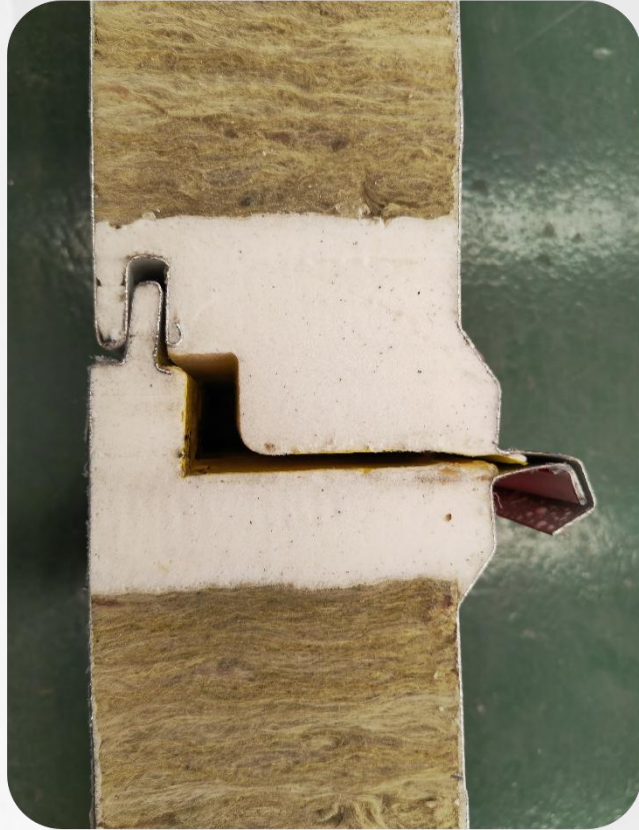
360° Lock Roof Panel



360° Lock Drawing



360° Lock Roof Panel



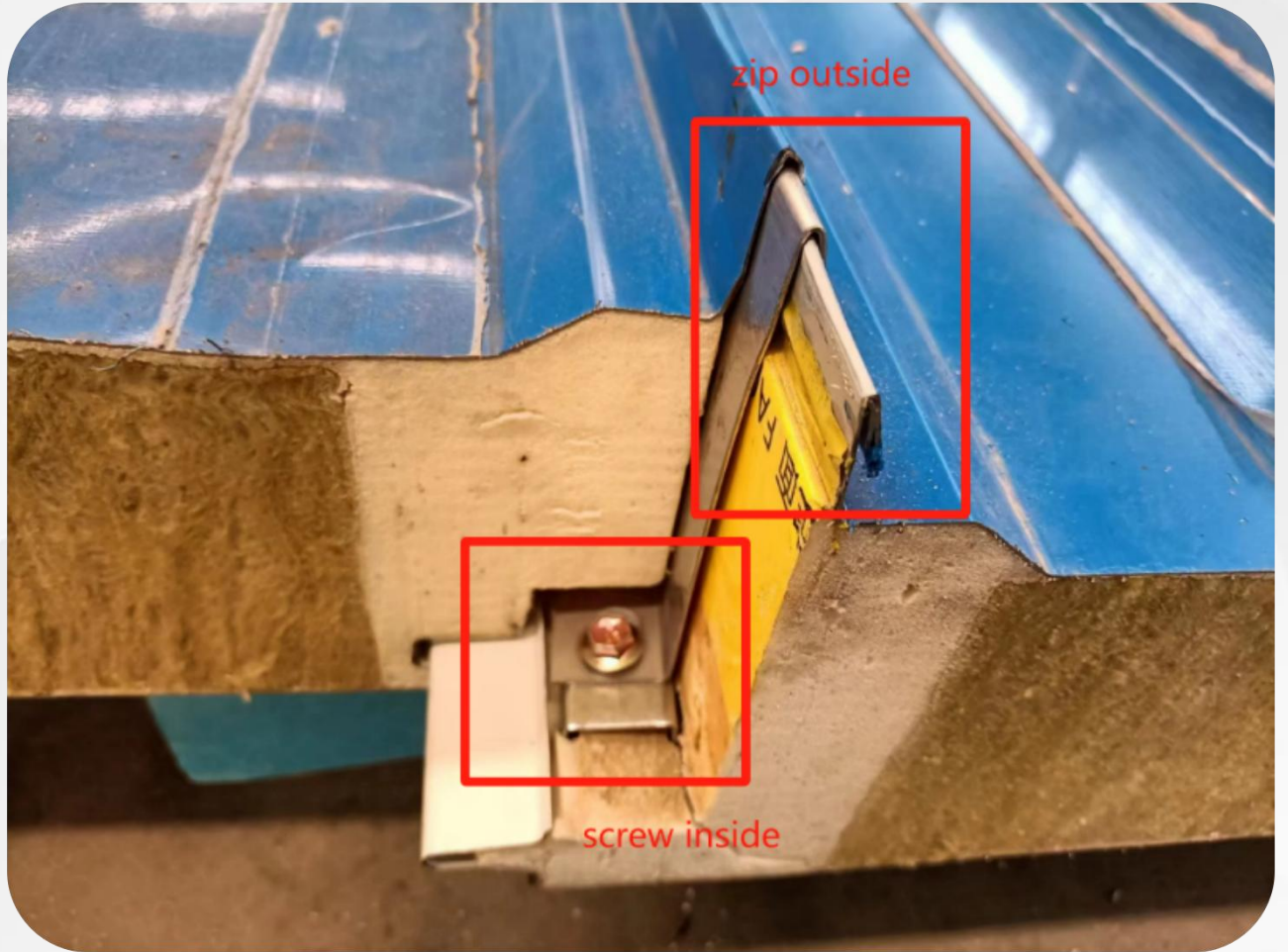
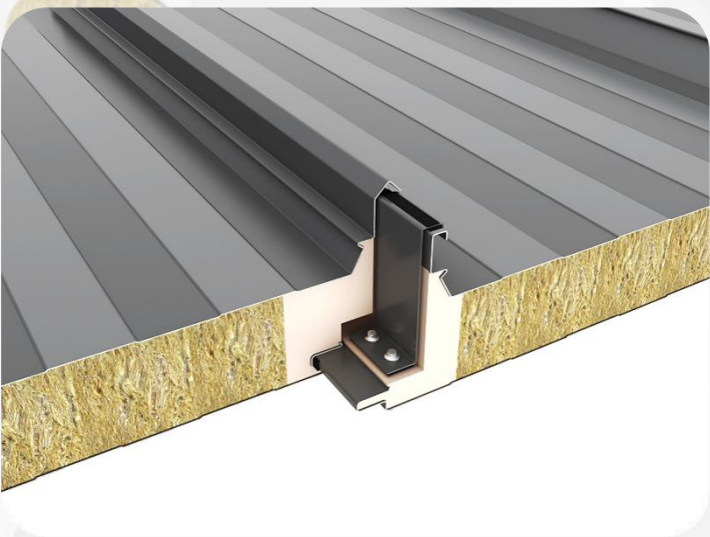
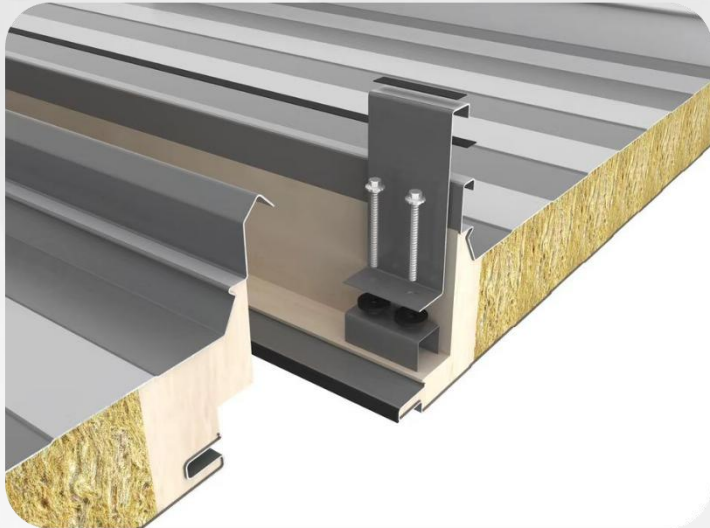
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3055103110 12 43

Features- 360° Lock



360° Lock Roof Panel



Features-Unseen screw fixing



360° Lock Roof Panel



Bond Strength : 0.1Mpa

检验检测报告

报告编号: STD-20230807-049S

CX-29-JL27 F/3

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检测结果汇总

Summary of Test Results

序号 No.	检测项目 Test Item	单位 Unit	检测结果 Test Result	指标 Test Norm	检测结论 Test Conclusion	检测方法 Test Standard	备注 Rem ark
2	尺寸和允许偏差 Dimensions and permissible deviations	mm	长度/Length: 999 长度平均偏差/ Mean deviation of length: -1 宽度/ Width: 1498 宽度平均偏差/ Mean deviation of Width: -2 厚度/ thickness: 100 厚度平均偏差/ Mean thickness of deviation: 0 对角线差/ The diagonal difference: 2	长度平均偏差/ Mean deviation of length: ± 5 宽度平均偏差/ Mean deviation of Width: ± 2 厚度平均偏差/ Mean thickness of deviation: ± 2 对角线差/ The diagonal difference: ≤ 4	符合/ Conformity	GB/T 23932-2009	--
3	粘接强度 Bond strength	MPa	0.10	≥ 0.06	符合/ Conformity	GB/T 23932-2009	--
4	剥离性能 Stripping property	%	100	≥ 85	符合/ Conformity	GB/T 23932-2009	--
5	*抗弯承载力 Flexural capacity	kN/m ²	1.72	≥ 0.5	符合/ Conformity	GB/T 23932-2009	--
6	**传热系数 Heat transfer coefficient	W/(m ² ·K)	0.45	≤ 0.46	符合/ Conformity	GB/T 23932-2009	--



Roof Panel Features

360° Lock Roof Panel

Name	Rockwool Sandwich Panel with Pur edge
Length	Customized Length (usually less than the length of truck 17.5m)
Width	500-1000mm (1000mm is most cost-effective)
Thickness	50mm、 75mm、 80mm、 100mm、 120mm、 150mm、 200mm
Surface	Two ridges
Outside plate	Aluminum Plate、 Alu-zinc Steel Plate、 Stainless Steel Plate
Inside plate	Aluminum Plate、 Alu-zinc Steel Plate、 Stainless Steel Plate
Core	Waterproof Rock Wool (Density \geq 100kg/m ³) +Pur Edge、 Glass wool (density \geq 60kg/m ³)+Pur Edge
Steel Plate	Tianjin Xinyu
Fireproof	Grade A1 (\geq 1hours)
Thermal C	0.035-0.039w/(m·k)
Bond strength	0.1Mpa
Uses	Industrial workshop、 office building



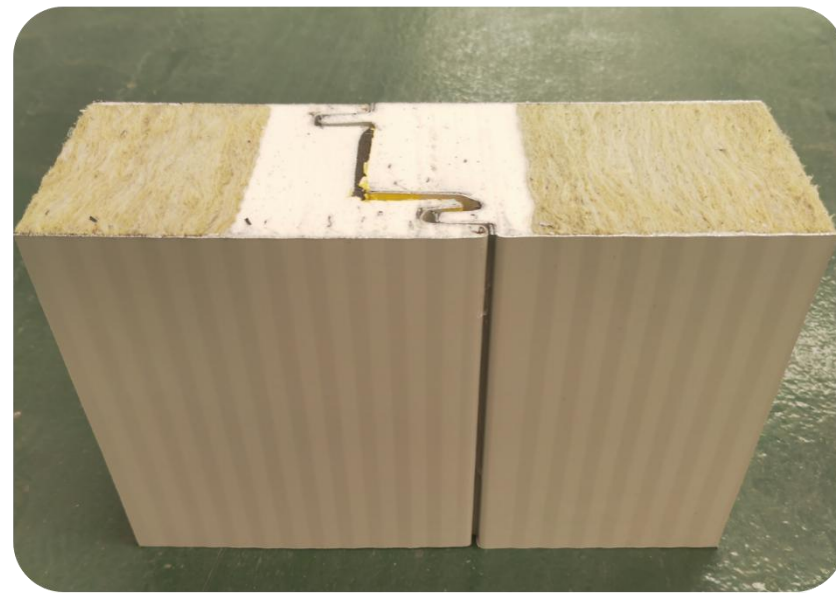
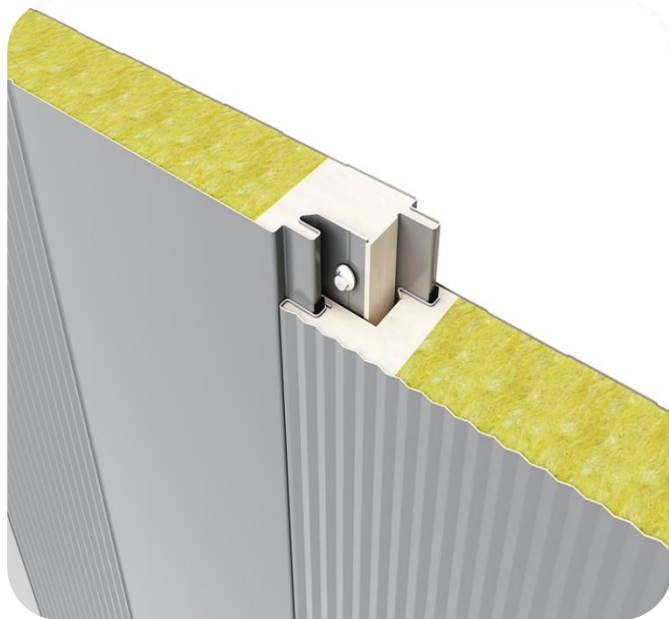
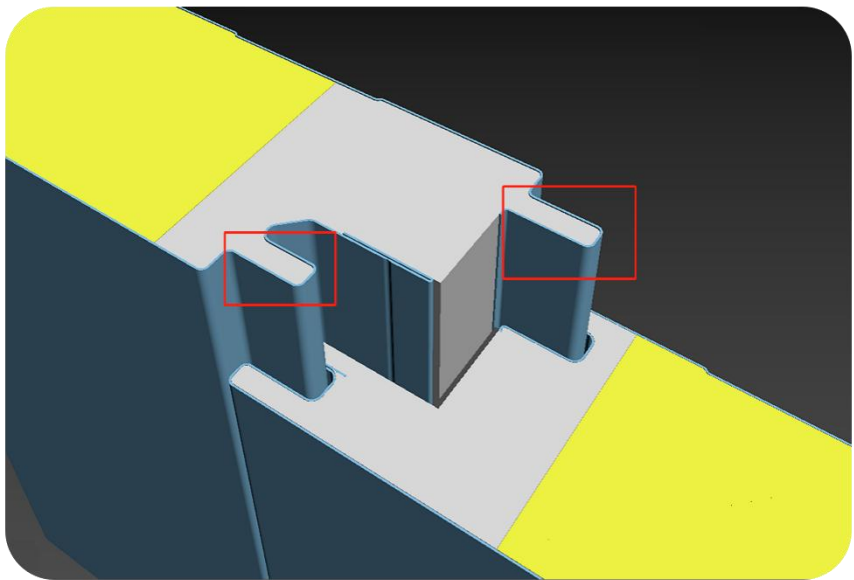
Wall Panel

Wall System





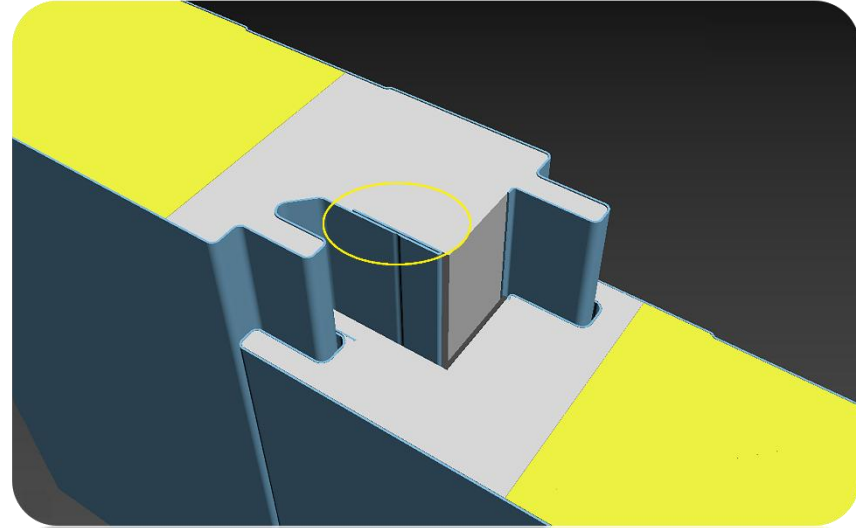
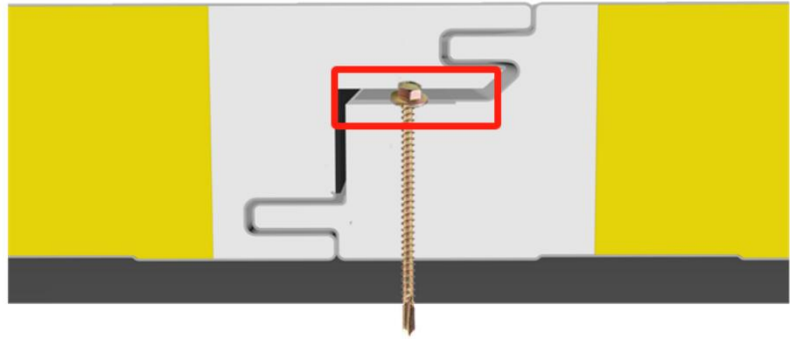
Wall Panel-1



Double Connection(different location)



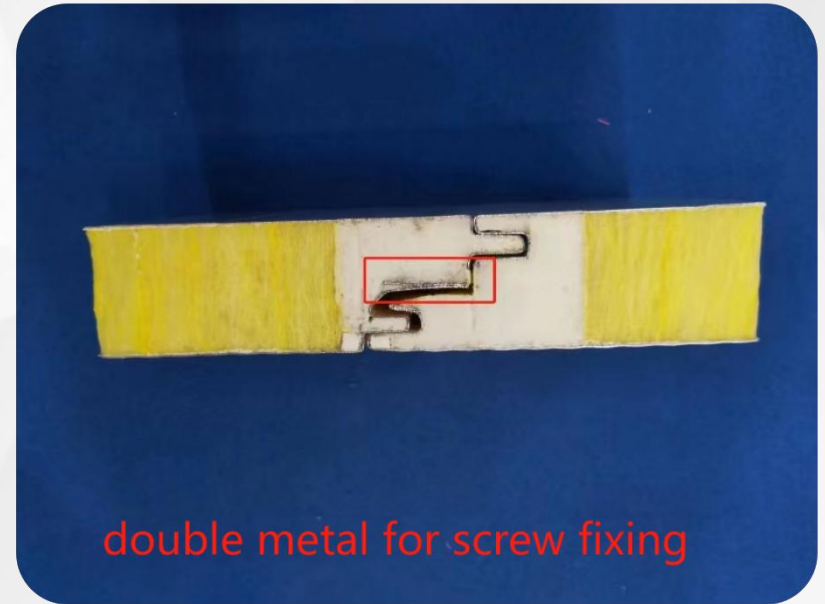
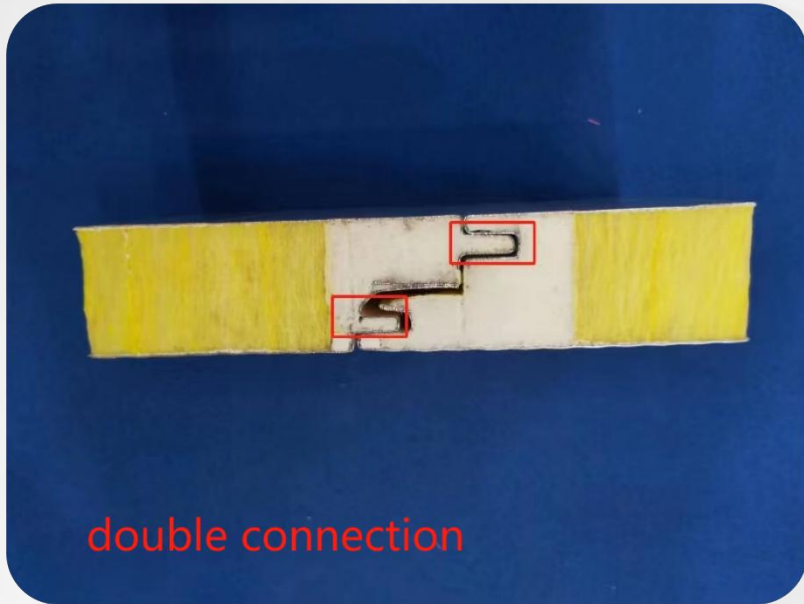
Wall Panel-1



Double Metal for Screw Part



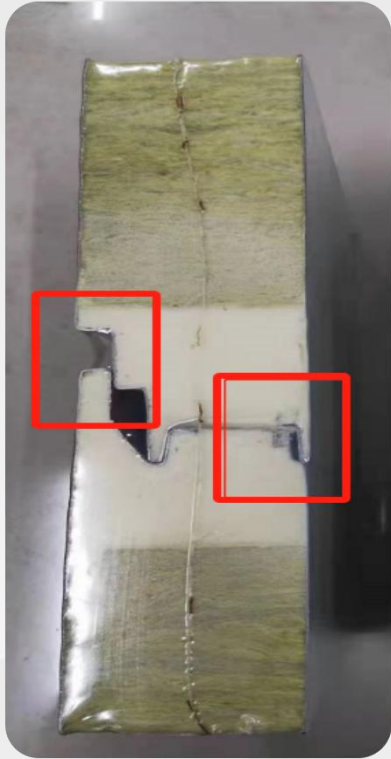
Wall Panel-1



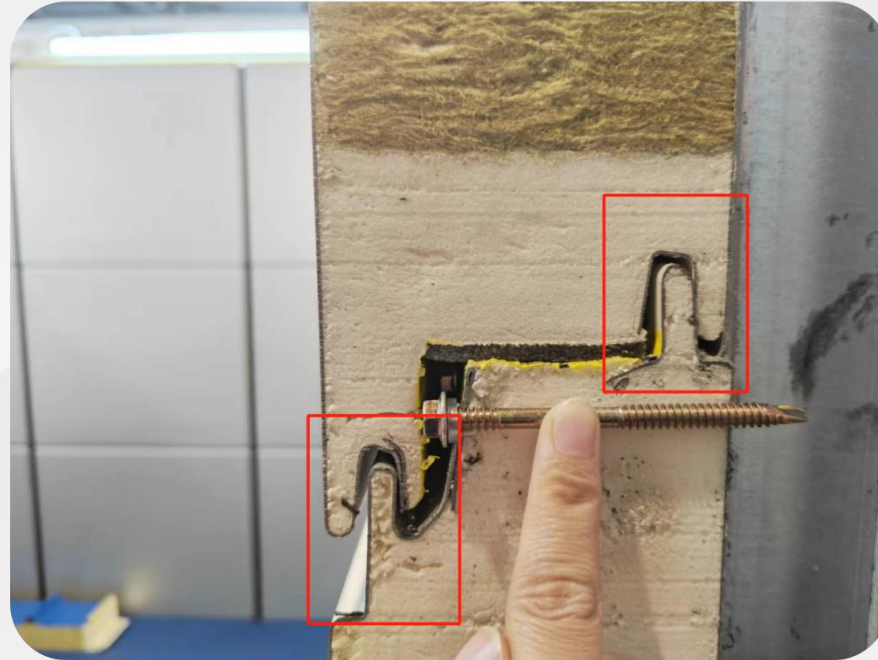
Double Connection and Double Metal for screw fixing



Wall Panel-1



Single Connection



Baodu Double Connection
(dust and water proof for inside)



Wall Panel-1

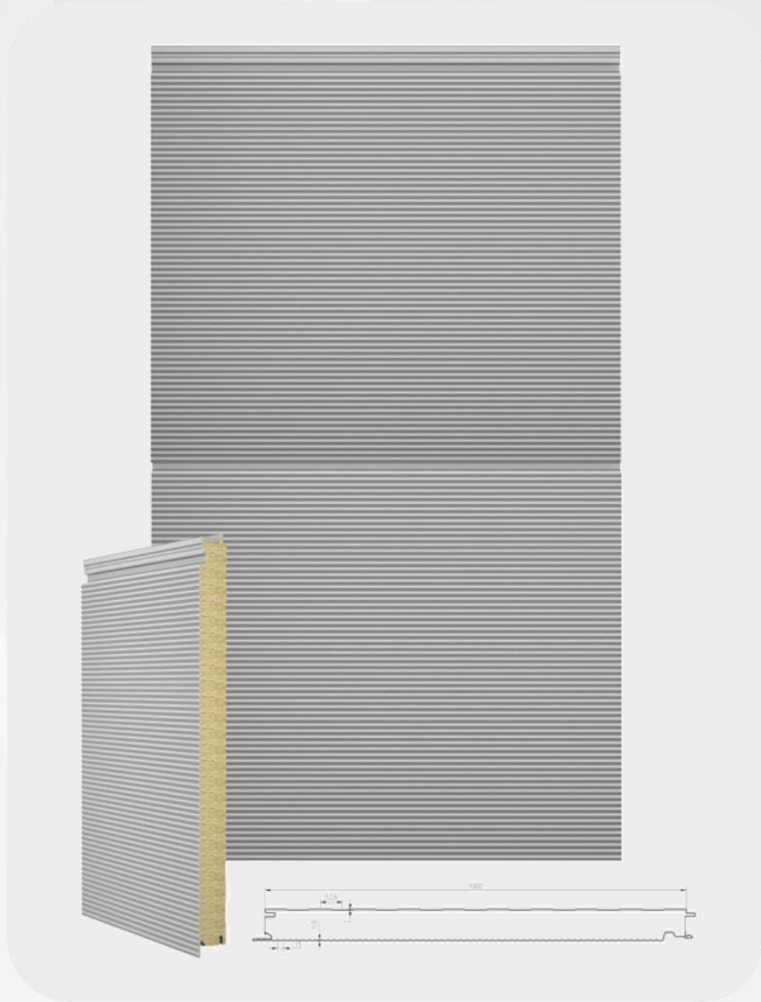


Flat Style with Decorative Gap Makes the Wall with 3D effect.





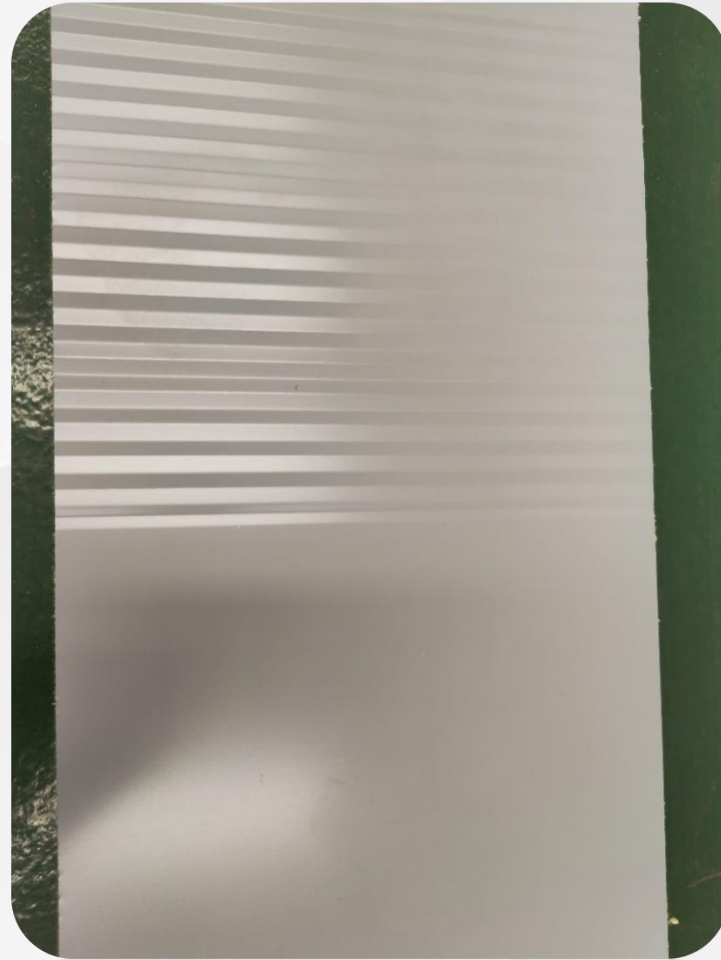
Wall Panel-1



Small Wave Style with Decorative Gap make the Wall 3D Effect (Better Choice)



Wall Panel-1

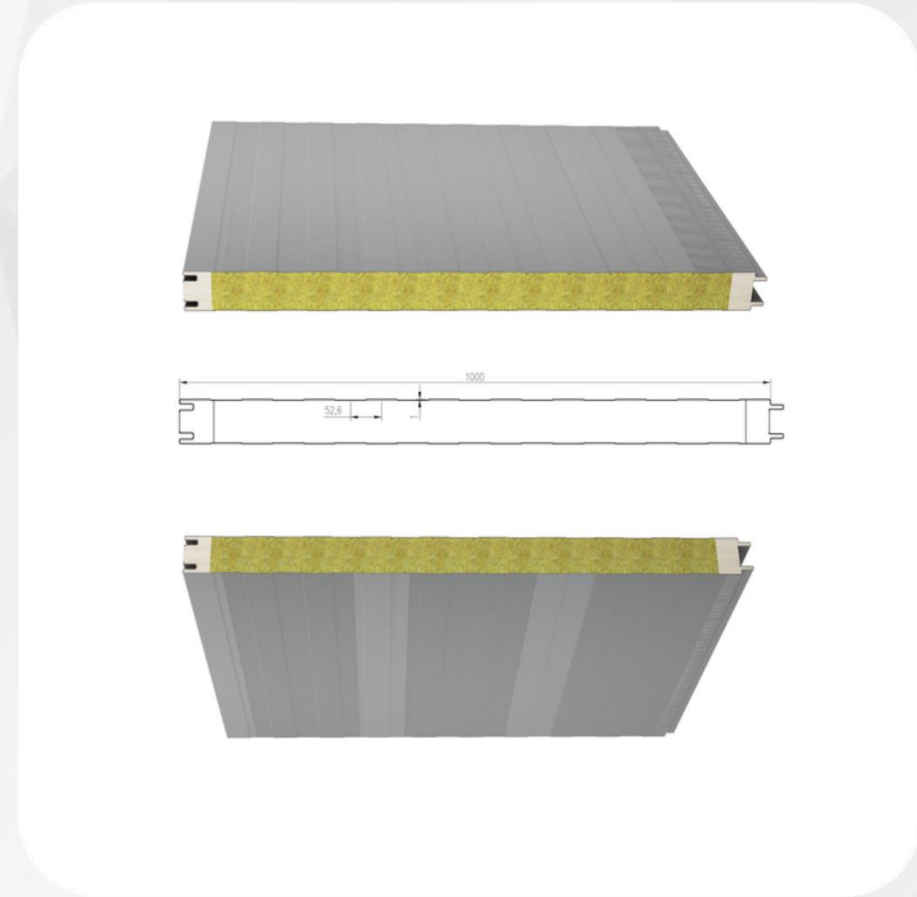
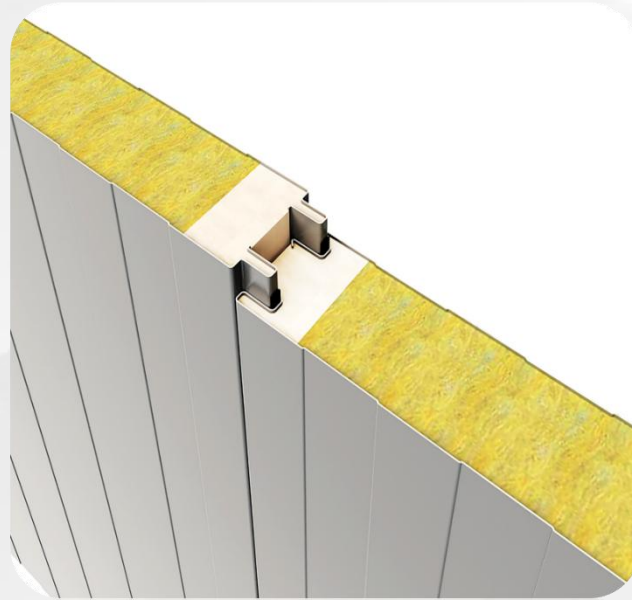
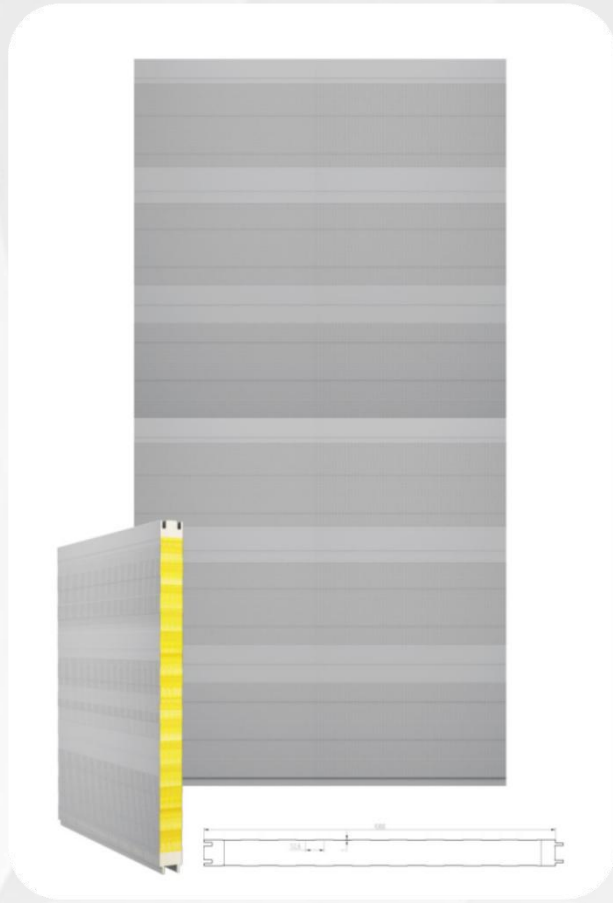


Flat+Small Wave Style



Wall Panel-2

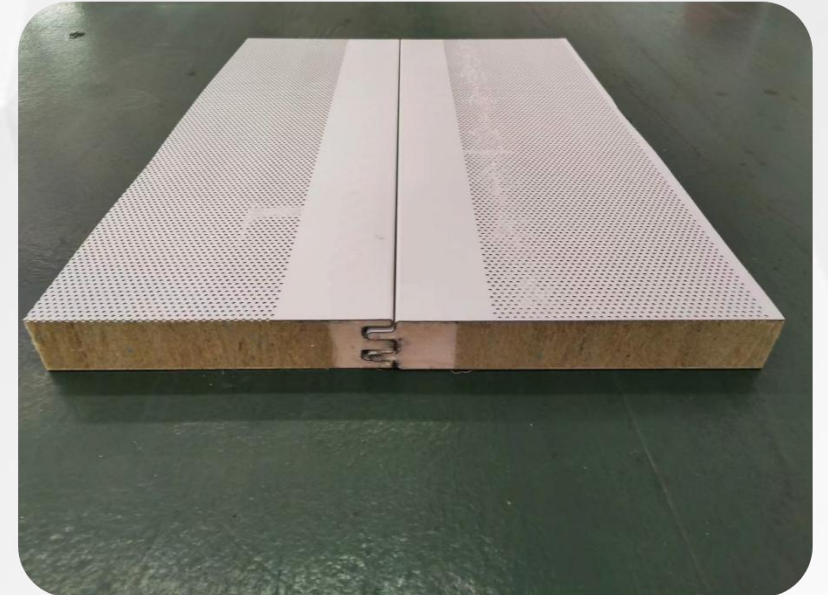
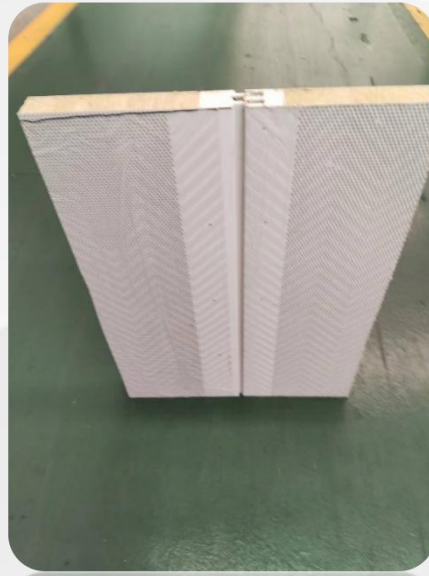
Parallel Double Connection : Purification Panel/Partition Wall





Wall Panel-2

Parallel Double Connection : Purification Panel/Partition Wall

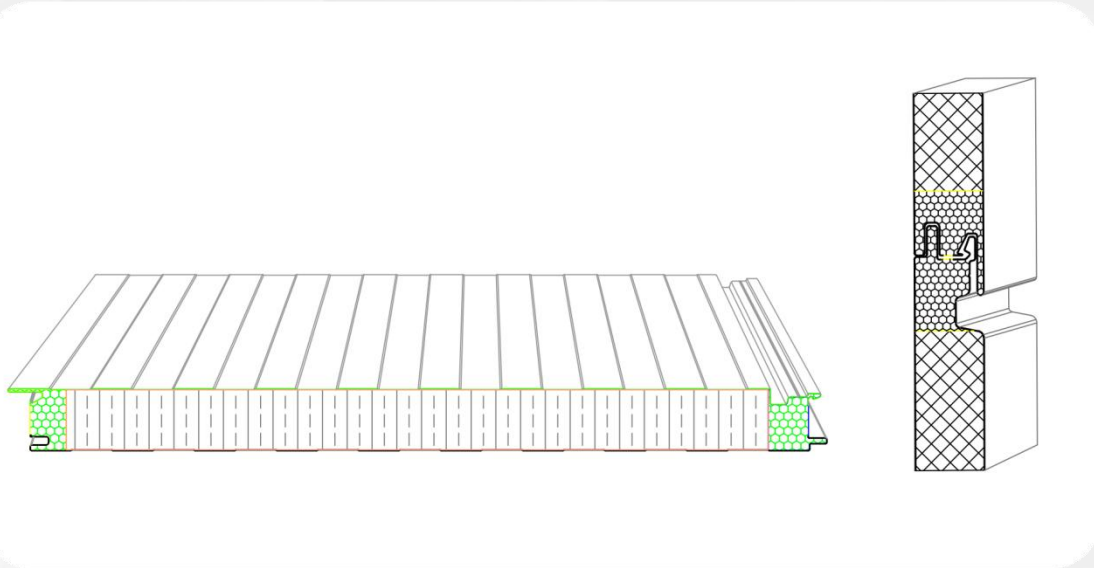


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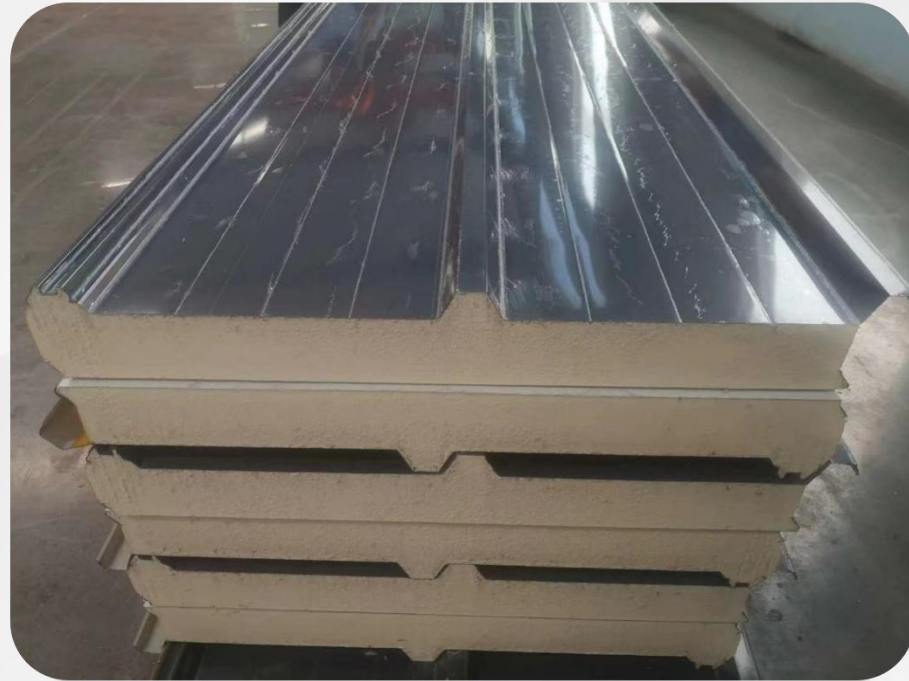
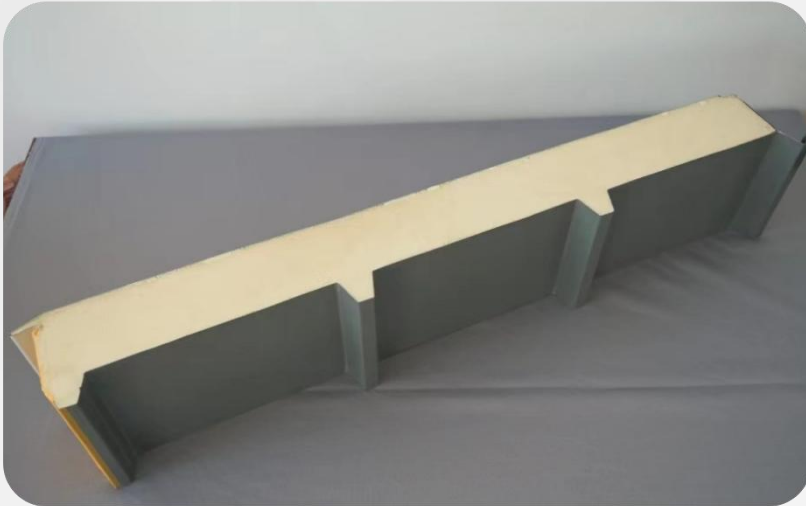
Wall Panel-3



Single Connection : Depth:20mm, Width: 25mm



Wall Panel-4



Pur Sandwich Panel : density: 38-44kg/m³.



Wall Panel-Corner Panel



1

Right Angle Corner Panel

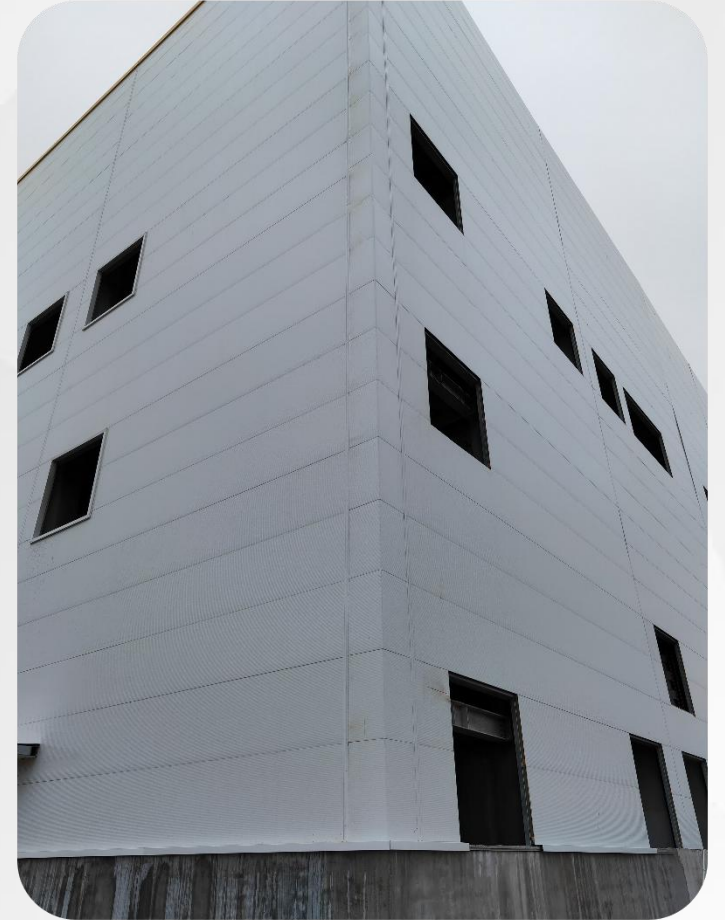
Round Corner Panel

2





Wall Panel-Corner Panel





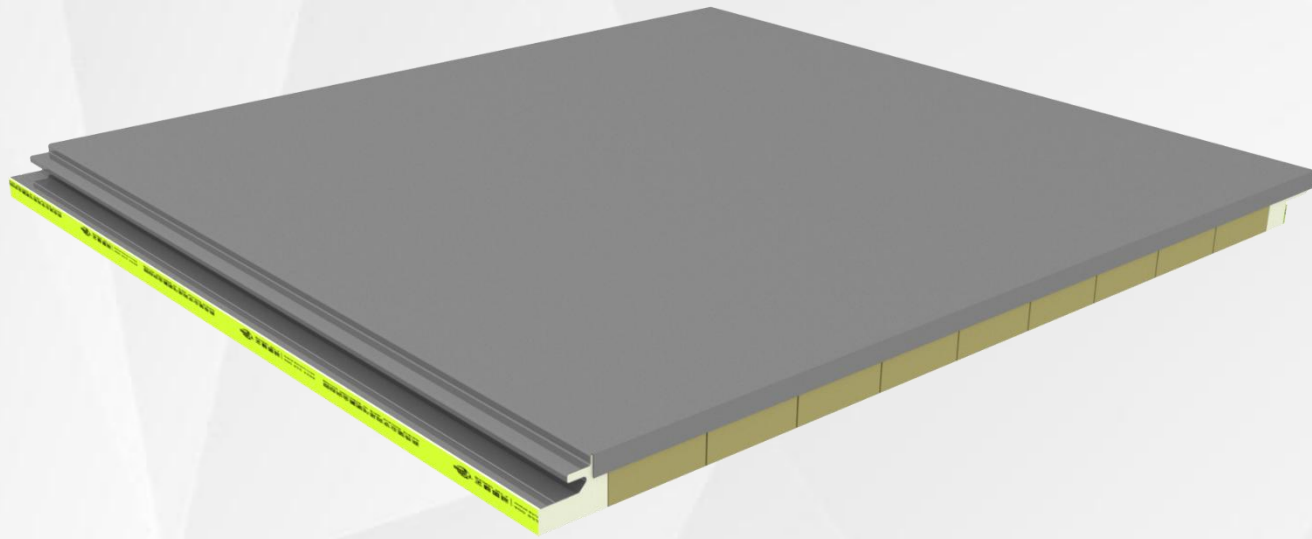
Wall Panel Features

Wall Panel

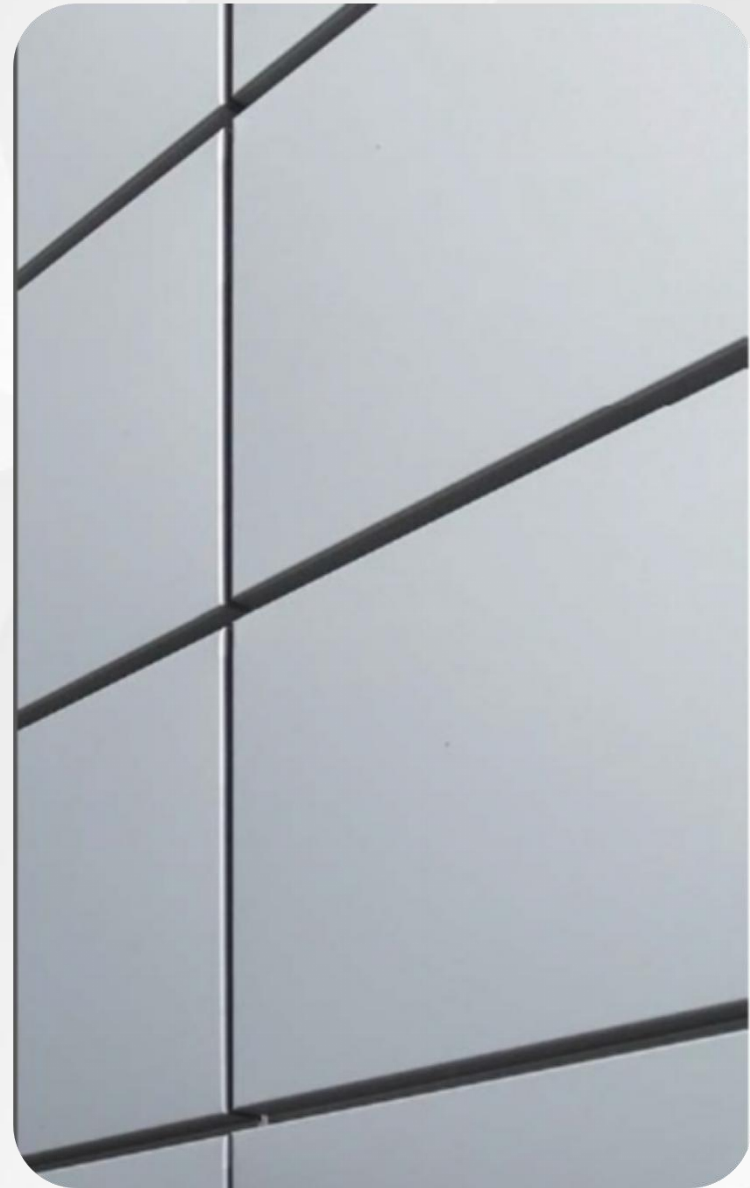
Name	Rockwool Sandwich Panel with Pur Edge		
Connection Type	Double Connection(different location)	Parallel Double Connection	Single Connection
Length	Customized Length (usually less than the length of truck 17.5m)		
Width	500-1000mm (1000mm is most cost-effective)		
Thickness	50mm、 75mm、 80mm、 100mm、 120mm、 150mm、 200mm		
Surface	Flat、 Small Waves、 Flat+Small Waves		
Outside Plate	Aluminum plate、 Alu-zinc plate 、 Stainless Steel plate		
Inside Plate	Aluminum plate、 Alu-zinc plate 、 Stainless Steel plate		
Core	Waterproof Rock Wool (Density \geq 100kg/m ³) +Pur Edge、 Glass wool (density \geq 60kg/m ³)+Pur Edge		
Steel Plate	Tianjin Xinyu		
Fireproof	Grade A1 (\geq 1hours)		
Thermal C	0.035-0.039w/(m·k)		
Bond strength	0.1Mpa		
Uses	Industrial Factory Exterial Wall、	Partition Wall、 Purification Panels、	Hotel、 Office Building



Wall Panel-5

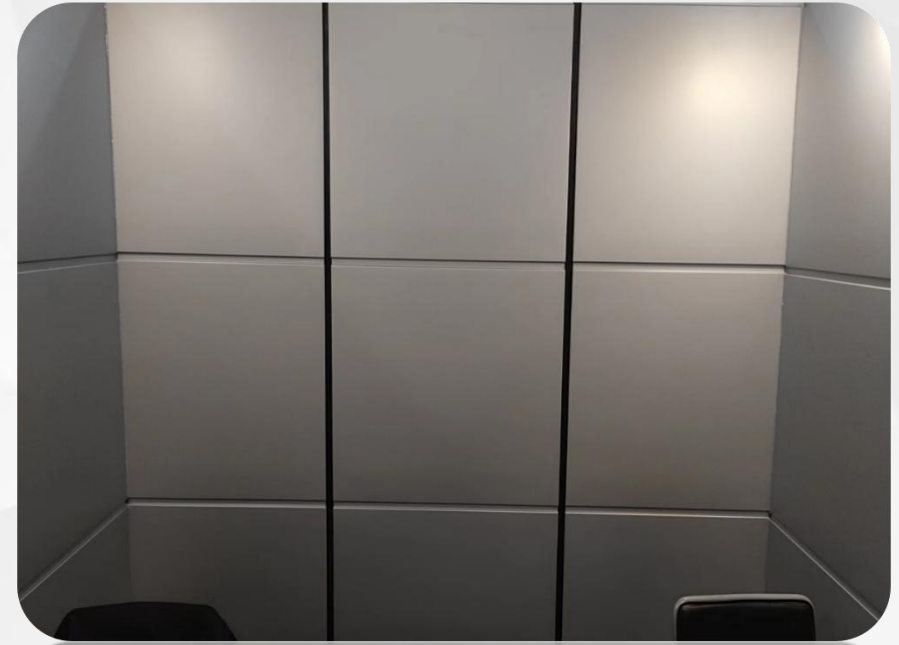


Box Sandwich Panel





Wall Panel-5



Box Sandwich Panel with Sealant Strip



Wall Panel-5

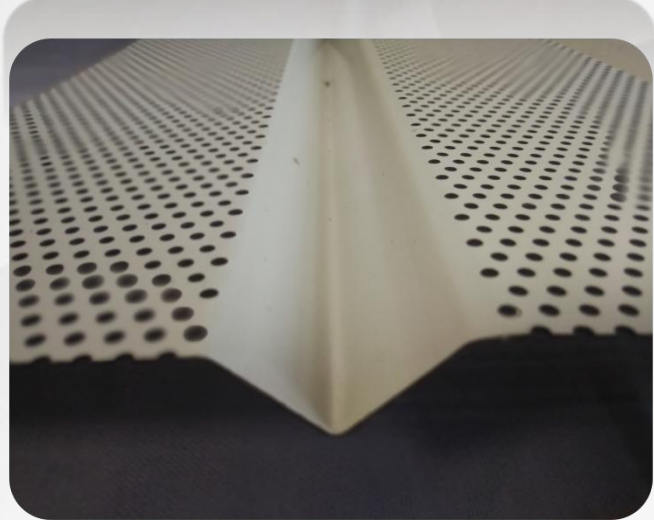


Box Sandwich Panel

Length	Customized Length (usually less than the length of truck 17.5m)
Width	500-1000mm (1000mm is most cost-effective)
Thickness	50mm、 75mm、 80mm、 100mm、 120mm、 150mm
Surface	flat、 small waves、 flat+small waves
Outside Plate	Alu Plate、 Alu-zinc Steel Plate、 Stainless Steel Plate (edgefold tr
Inside Plate	Alu Plate、 Alu-zinc Steel Plate、 Stainless Steel Plate
Core	Waterproof Rock Wool (density \geq 100kg/m ³) 、 Polyurethane
Soundproof	28-38dB(A)
Feature	Aluminum effect、 Hotel、 Office building (collocate Sealing strip)



Wall panel-6



Baodu Decorative Panel

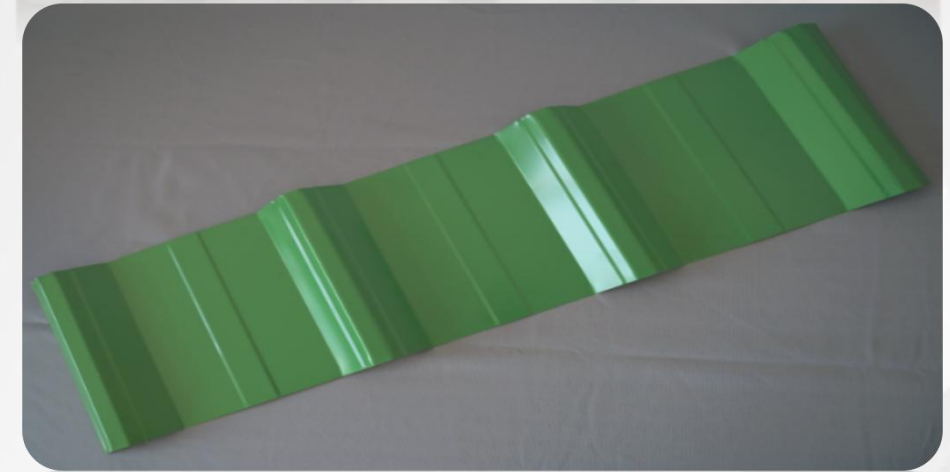


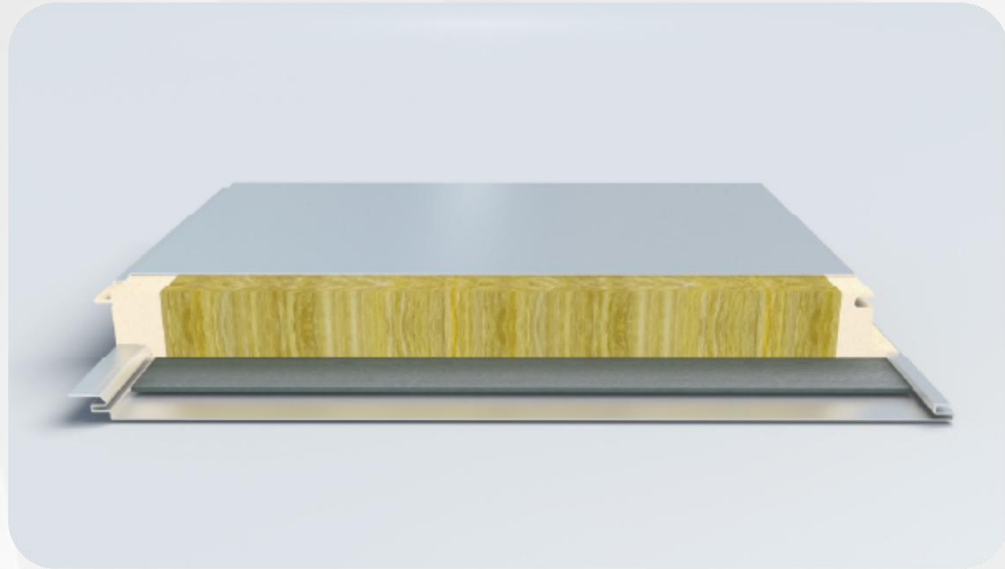


Wall panel-7

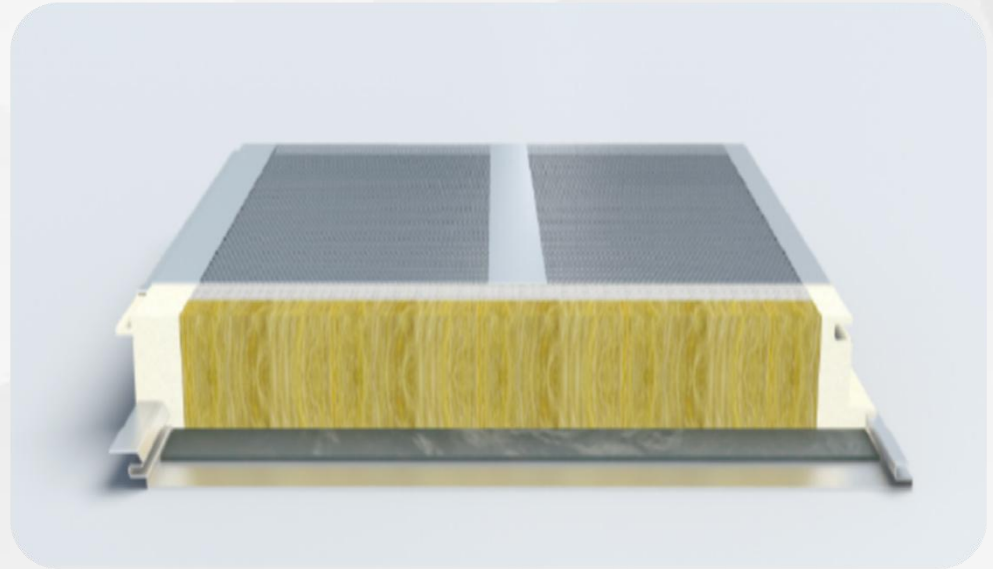


Baodu Profiled Steel Sheet





Sound Insulation Sandwich Panel



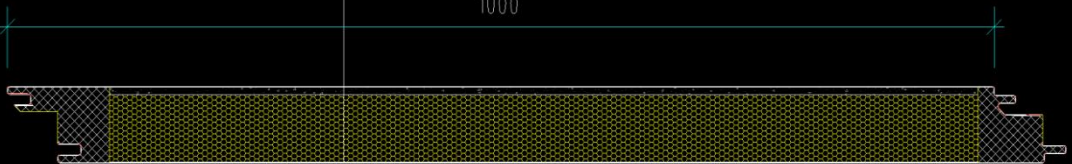
Sound Absorption and Sound Insulation Sandwich Panel



Wall Panel-8

纯平与小波纹外板(镀锌彩涂板、铝板彩涂、铝镁锰板、钛锌板、不锈钢板等)
 强化水泥板、石膏板、玻璃板等
 岩棉/玻璃丝棉
 防水玻璃纤维布
 纯平与小波纹内板(镀锌彩涂板、铝板彩涂、铝镁锰板、钛锌板、不锈钢板等)

1000



Sound Insulation Sandwich Panel

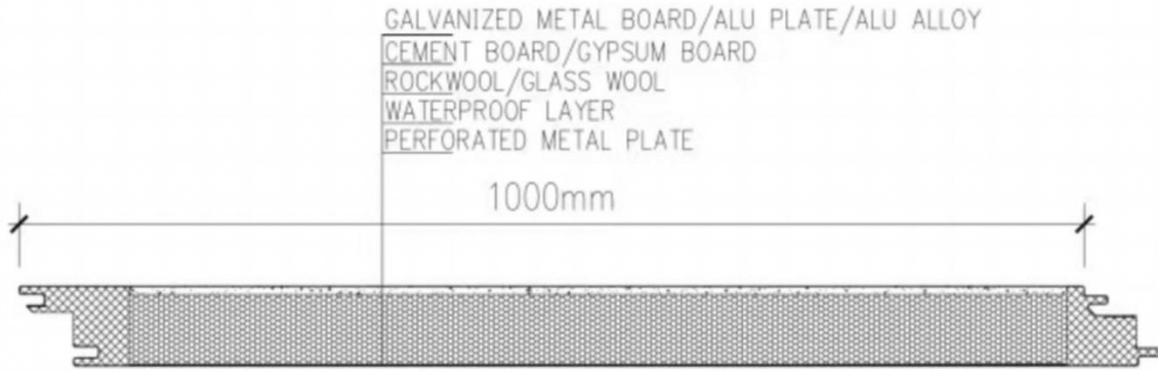


Width	800mm、1000mm
Thickness	50mm、75mm、80mm、100mm、120mm、150mm、200mm
Surface	flat、small waves、flat+small waves
Outside Plate	Aluminum Plate、Alu-zinc Steel Plate、Stainless Steel Plate
Inside Plate	Aluminum Plate、Alu-zinc Steel Plate、Stainless Steel Plate
Core	Cement board (5-10mm)
Core	Waterproof rock wool (density \geq 120kg/m ³)、Polyurethane
Soundproof	28-38dB(A)
Feature	Industrial workshop



Wall Panel-8

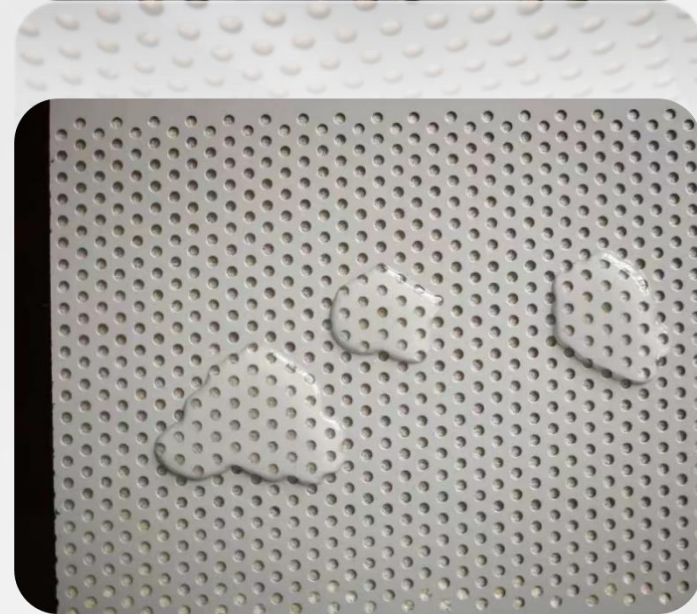
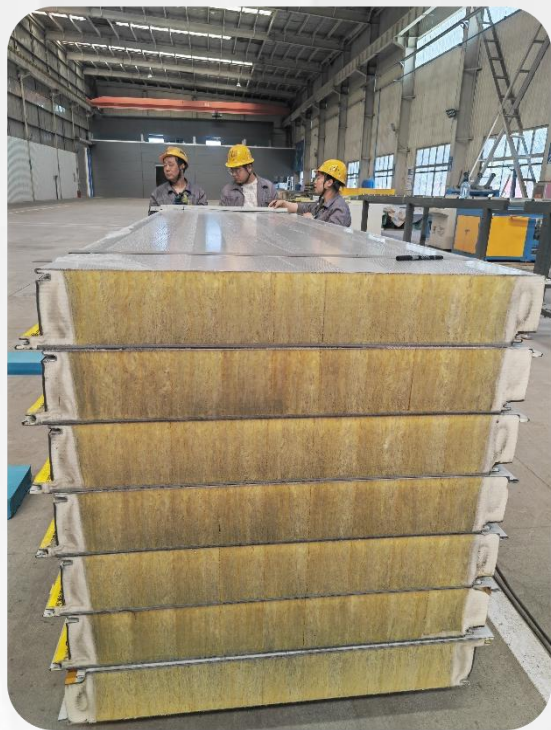
Sound Absorption and Insulation Panel



Width	800mm、 1000mm
Thickness	50mm、 75mm、 80mm、 100mm、 120mm、 150mm、 200mm
Surface	flat、 small waves、 flat+small waves
Outside Plate	Aluminum Plate、 Alu-zinc Steel Plate、 Stainless Steel Plate
Inside plate	Perforated Aluminum Plate、 Perforated Alu-zinc Steel Sheet (perforated rate 23%)、 fireproof non-woven fabric)
Core	cement board (5-10mm)、 damping(1-3mm)
Core	Waterproof glass wool (density $\geq 64\text{kg/m}^3$) 、 Polyurethane
Soundproof	sound insulation: 28-38dB(A)、 sound absorption; NRC ≥ 0.9
Feature	Noise reduction industrial factory building

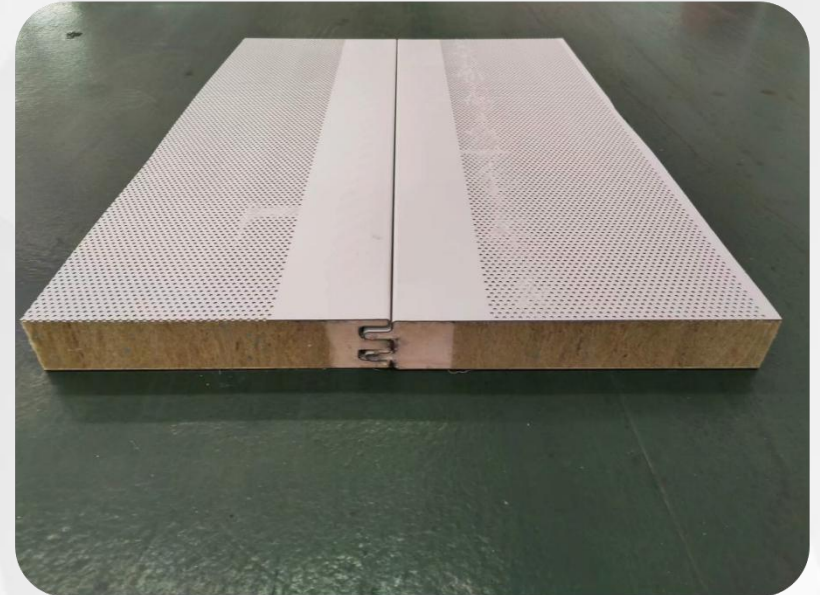
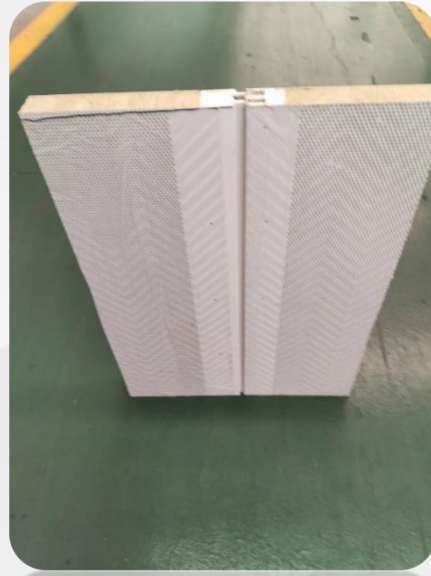


Wall Panel-8





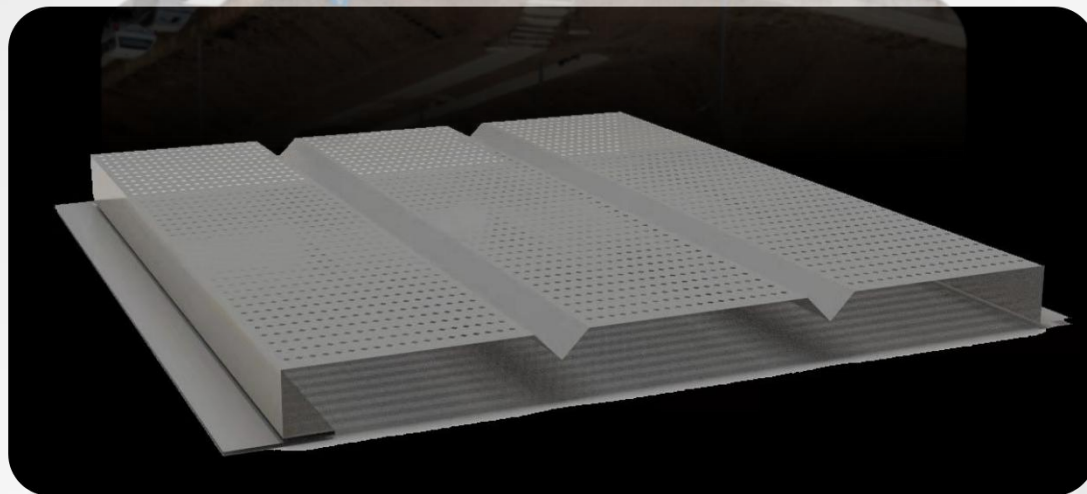
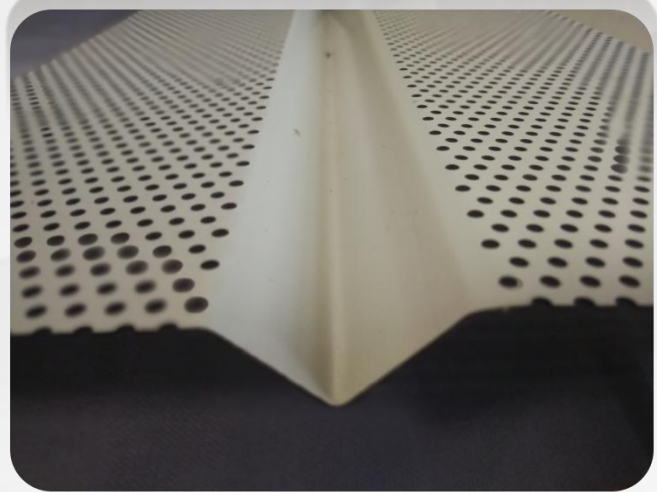
Wall Panel-8



For Partition Wall



Wall Panel-9



吸声单板



Sound Absorption And Sound Insulation Test Report




MA 160021160227 正本

中国科学院声学计量测试站
ACOUSTICAL MEASURING & TESTING STATION, CHINESE ACADEMY OF SCIENCES

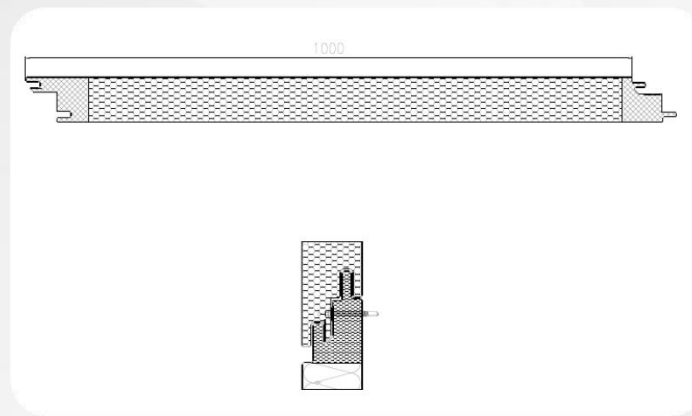
检测报告

KS—2021—09110

样品名称: 隔音板
型号/规格: ACO-AW-010
制造厂家: 宝都国际新材料有限公司
出厂编号: /
客户名称: 宝都国际新材料有限公司
客户地址: 永清县工业园区百合道 26 号
检测日期: 2021 年 09 月 23 日

批准人: 
检测员: 
核验员: 

共 5 页 第 1 页



Acoustic Measuring & Testing Station, Chinese Academy Of Sciences
Sound Absorption and Sound Insulation Test Report from Building Environment Testing Center of Tsinghua University

Form No.: BE-A-001 Rev. D2

MA 1600220000 CNAS 中国认可 国际互认 检测 TESTING CNAS L3117 报告编号: A19-134 Series Number

检测报告

TEST REPORT

检测项目: 空气声隔声
Test Item

委托单位: 宝都国际工程技术有限公司
Entrusting Unit: 宝都国际新材料有限公司

检测类别: 委托检测
Test Type

清华大学建筑环境检测中心
Center for Building Environment Test, Tsinghua University
2019 年 06 月 12 日

地址: 北京市海淀区清华大学建筑环境检测中心(旧土木馆 204) 邮政编码: 100084
电话/传真: 010-62783909 E-Mail: center09@mails.tsinghua.edu.cn

本报告复印、涂改、增删无效





Sound Absorption And Sound Insulation Test Report

TESTING DATA OF BAODU ACOUSTICAL SANDWICH PANEL

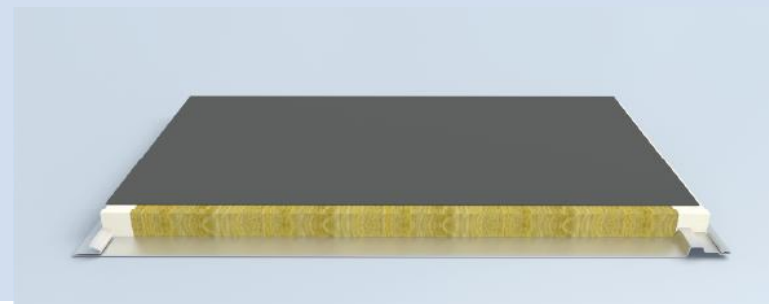
No.	REPORT ID	TESTING ORGANIZATION	PRODUCT NAME	MATERIAL STRUCTURE(BOTTOM-TO-TOP)	TOTAL THICKNESS(MM)	METAL THICKNESS(MM)	ROCKWOOL/GLASSWOOL DENSITY(KG/m³)	CEMENT THICKNESS(MM)	DAMPING THICKNESS(MM)	SOUND ABSORBING DATA(NRC)	SOUND INSULATION(Db)
TESTING STANDARD: GB/T 19889.3-2005/ISO140-3:1995 Acoustics - Measurement of sound insulation in buildings and building elements - Part 3: Laboratory measurement of airborne sound insulation of building elements;											
1	KS-2021-09101	ACOUSTICAL MEASURING & TESTING STATION, CHINESE ACADEMY OF SCIENCE	SOUND INSULATION	STEEL PLATE+CEMENT BOARD+ROCKWOOL+STEEL PLATE	100	0.6/0.5	120	10	/	/	38
2	KS-2021-09102			STEEL PLATE+DAMPING+ROCKWOOL+STEEL PLATE	100	0.6/0.5	120	/	3	/	37
3	KS-2021-09103			STEEL PLATE+CEMENT BOARD+DAMPING+ROCKWOOL +STEEL PLATE	100	0.5/0.5	120	10	3	/	39
4	KS-2021-09104			STEEL PLATE+DAMPING+CEMENT BOARD+ROCKWOOL +STEEL PLATE	100	0.5/0.5	120	10	3	/	41
5	KS-2021-09105			STEEL PLATE+DAMPING+ROCKWOOL+DAMPING+STEEL PLATE	100	0.5/0.5	120	/	3	/	37
6	KS-2021-09106			STEEL PLATE+CEMENT+ROCKWOOL+DAMPING+STEEL PLATE	100	0.5/0.5	120	4	3	/	37
7	KS-2021-09107			STEEL PLATE+DAMPING+CEMENT BOARD +ROCKWOOL+ DAMPING+STEEL PLATE	100	0.5/0.5	120	4	2	/	38
8	KS-2021-09108			STEEL PLATE+CEMENT BOARD+DAMPING+ROCKWOOL +DAMPING+STEEL PLATE	100	0.5/0.5	120	4	2	/	38
9	KS-2021-09109			STAINLESS STEEL PLATE+ROCKWOOL+STAINLESS STEEL PLATE	100	0.5/0.5	120	/	/	/	34
10	KS-2021-09110			STAINLESS STEEL PLATE+ROCKWOOL+STAINLESS STEEL PLATE	50	0.5/0.5	120	/	/	/	33
11	KS-2021-09111			STEEL PLATE+ROCKWOOL+STEEL PLATE	100	0.6/0.6	120	/	/	/	35
TESTING STANDARD: GB/T20247-2006/iso 354:2003 Acoustics reverberation room sound absorption measurement											
12	KS-2021-09112	ACOUSTICAL MEASURING & TESTING STATION, CHINESE ACADEMY OF SCIENCE	SOUND ABSORPTION	PERFORATED ALU PLATE+GLASS FIBRE+GLASSWOOL+STEEL PLATE	80	0.6/0.6	64	/	/	0.95	/
TESTING STANDARD: 1.: GB/T20247-2006/iso 354:2003 Acoustics reverberation room sound absorption measurement; 2. GB/T 19889.3-2005/ISO140-3:1995 Acoustics - Measurement of sound insulation in buildings and building elements - Part 3: Laboratory measurement of airborne sound insulation of building elements;											
13	A19-134	CENTER FOR BUILDING ENVIRONMENT TEST, TSINGHUA UNIVERSITY	SOUND ABSORPTION&SOUND INSULATION	PERFORATED STEEL PLATE+GLASS FIBRE+GLASSWOOL+CEMENT BOARD+STEEL PLATE	100	0.5/0.5	64	6	/	0.9	Rw+C=38dB; Rw+Ctr=34dB



Wall Panel-10



Curtain Wall Panel



Width	800mm、 1000mm
Thickness	50mm、 75mm、 80mm、 100mm、 120mm、 150mm、 200mm
Surface	flat、 small waves、 flat+small waves
outside	Alu Plate、 Alu-zinc Steel Plate、 Stainless Steel Plate
inside	Glass fiber cement felt0.7-1mm
Core	Waterproof rock wool (density \geq 100kg/m ³) 、 polyurethane
sound insulation	28-37dB(A)
Fireproof	Grade A
Feature	Brick concrete structure office building、 dwelling house、 Selant and Screw together



03
PROJECT





Projects



Project Name

Mongolian KFC Warehouse Project

Scope of Supply

Steel Structure Roof Panel and Wall Panel



Projects



Project Name

**Монгол улсын Төмөлтын-Овоо
цайрын уурхайн гүний хэсэгийн
нөөцийг олборлох төсөл**

Scope of Supply

Steel Structure Roof Panel and Wall Panel



Projects



Project Name	Mongolian Steppe Arena
Scope of Supply	Roof Panel and Acoustic Panel



Projects



Project Name

Mongolian Chaganhada Railway Project

Scope of Supply

Steel Structure Roof Panel and Wall Panel



Projects



Project Name

**Mongolia Seyinsander Building
Materials Mall Project**

Scope of Supply

**Steel Structure Roof Panel and Wall
Panel**



Projects



Project Name

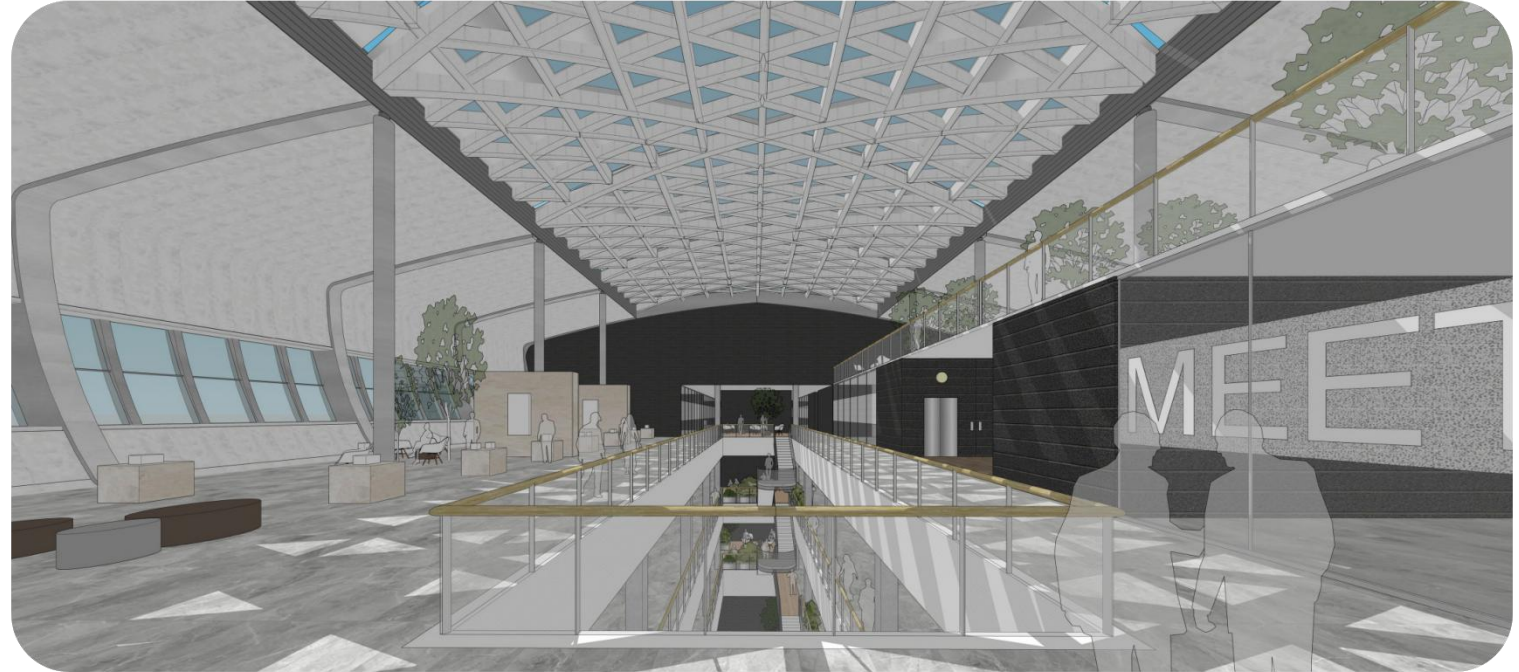
Mongolian Ulanbatar Tourist Project

Scope of Supply

Steel Structure Roof Panel and Wall Panel



Projects



Project Name

**skylight Steel Structure of
Shunxhlai Holding Office**

Scope of Supply

Steel Structure



Projects



Project Name

Heidaigou Coal Mine main mine washing workshop, concentration bench, coal belt conveyor gallery, products ware house project- Shenhua Group

Scope of Supply

Steel Structure Roof Panel and Wall Panel



Projects



▶ 长城杯

▶ 太阳杯

Project Name	China Coal Group Pingshuo East Open-pit Coal Preparation Plant
Scope of Supply	Steel Structure Roof Panel and Wall Panel
National Quality Project (Luban Prize)	



Projects

Yankuang Luxi Power Generation Project for Shandong Electric Power Construction

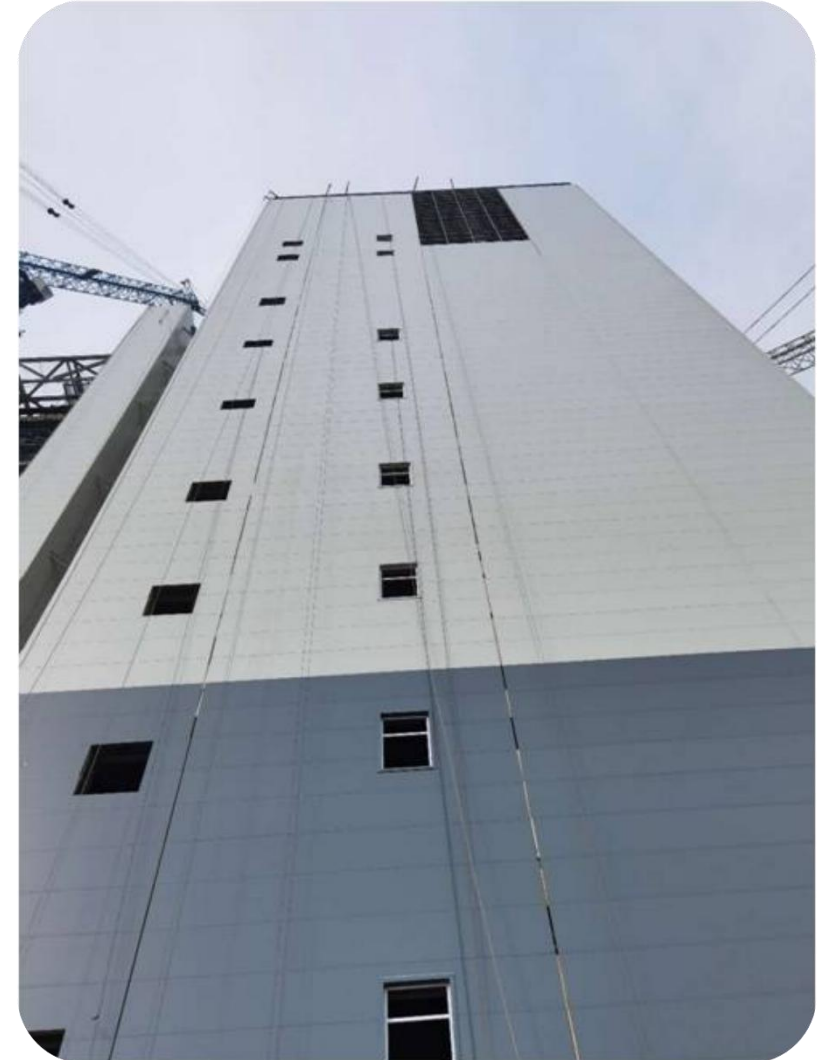




Projects



Metal Cladding Project of Tianchen Yulin gasification plant





Projects



Shenhua Fuping 2 * 660MW Power Plant Project





Projects

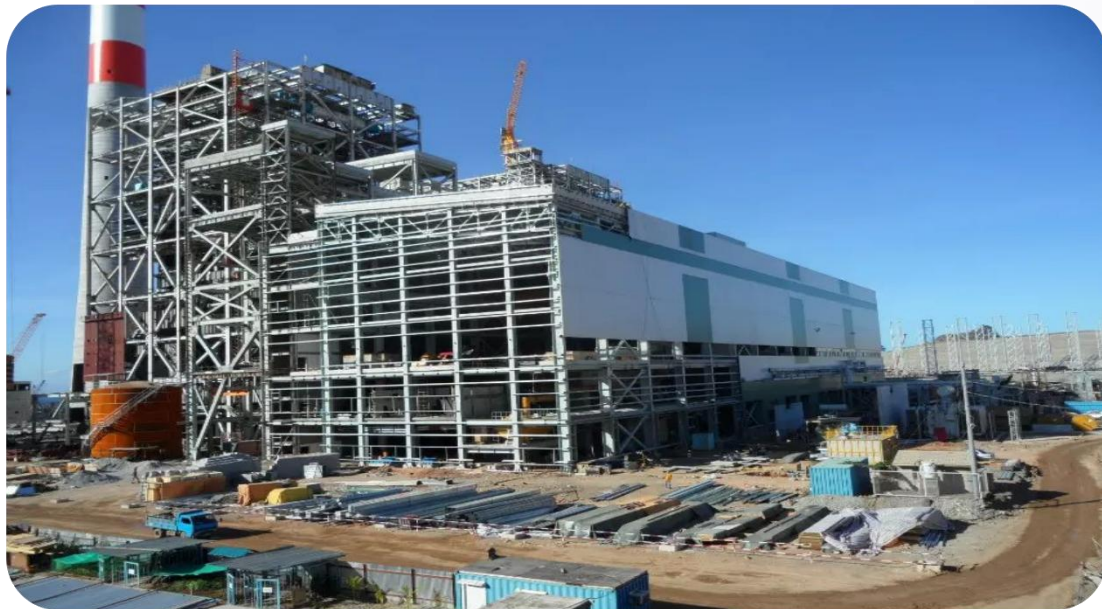
Iraq Basra Gas Turbine Combined Cycle
Power Plant Expansion Project





Projects

Philippines Malivans 2x330MW Coal-fired
Power Plant Project





Projects



Waste Power Generation Roof and Wall Panel Project in Hebei China





Projects



China Eastern Airlines Maintenance Warehouse Project of Beijing Daxing Airport





Projects



Steel Structure Roof and Canopy Project of Beijing Daxing Airport Freight Station





Projects



Fenglian Industrial Cell
Warehouse Project for

