



SANDWICH PANEL SERIES

THE ADVOATE OF GREEN,
ENVIRONMENT-FRIENDLY AND
ENERGY-SAVING BUILDING MATERIALS



BRD New Material Co., Ltd.

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Xuchang City, Henan Province, China.

E-mail: brd@bundesteel.com

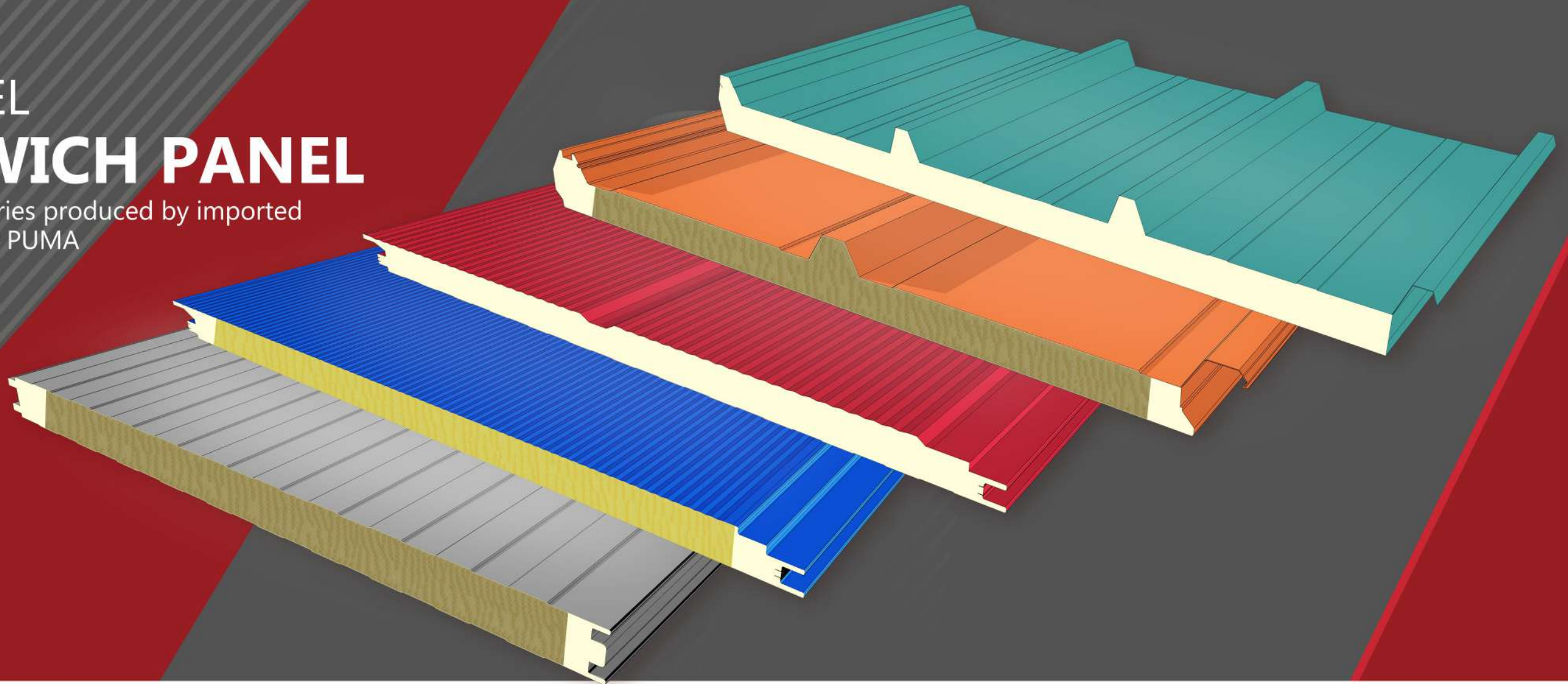
Whatsapp/Mob: 0086 186 3818 8782

Web: www.brdecogroup.com

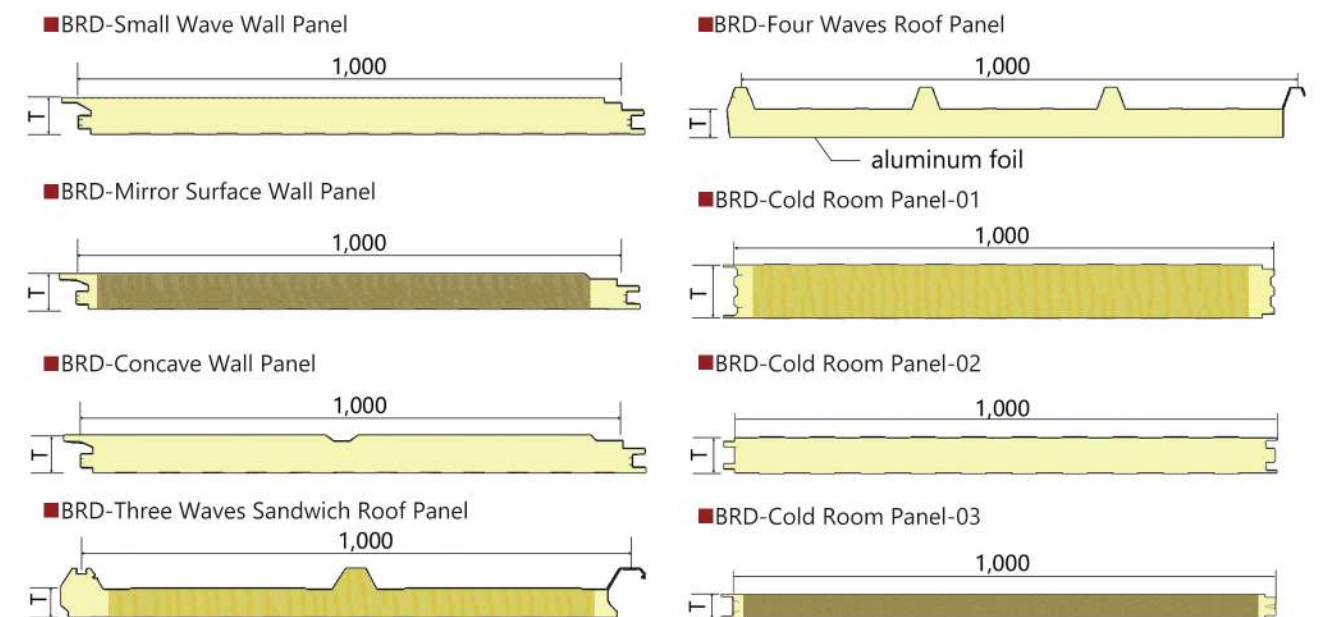


BRD PANEL SANDWICH PANEL

Sandwich Panel series produced by imported machine from Italy PUMA



This is a perfect time for building material, used for insulation, light weight, durability, fire resistance, sound-proof building, it's benefits to the economy and customers, BRD Panel provide the convenient construction, creating a new energy saving building material product to contractors.



BRD Panel Aplicacion

Application



BRD sandwich panel can meet all the building materials requirements for any building, as well as different cost and style in architectural designs.

Storage



Our building materials can be used to build a safe building to store goods that have achieved good insulation and humidity requirements. (grain warehouse, industrial plant, chemical laboratory, cold storage)

Building Cycle



BRD sandwich panel is a very environmentally friendly new building material. It has a warm proof and fireproof effect, and is easy to install, which can greatly shorten the building cycle.

Design



BRD sandwich panel can support a range of rain-screen finishes to compliment any architectural scheme.

Expansion



BRD sandwich panel can be used for building expansion and refurbishment.

Architecture



It can be used in large industrial plants, warehouses supermarkets, hospitals, stadiums, cold storage, activities room, buildings plus layer, clean workshop and heat insulation place.



Fireproof

BRD sandwich panel provide a fire resistive rating of up to three hours.



Customize

Available in multiple profiles, finishes and color options, trim less ends and cover widths, BRD sandwich panels provide customized building design and creative freedom.



Installation

BRD sandwich panel is easy to install, if you meet any question when you install it, we can give you the best solution about installation.



Design

BRD sandwich panel offer designers a comprehensive range of building solutions for vertical and horizontal wall applications.



High R-value

BRD sandwich panel offer superior R-values with unparalleled thermal performance during service life, all built-in to a single off-site, factory assembled insulated panel.



Maintenance Instruction

BRD sandwich panel offer the maintenance instruction, if you have some question when you used it, please contact us.



Superior Air-tightness and Weather-tightness

One of the biggest sources of building heat loss (or heat gain) is air leakage i.e. – “leaky buildings”. BRD sandwich panels are rigorously tested to ensure that they remain both airtight and weather-tight over the life of a building.

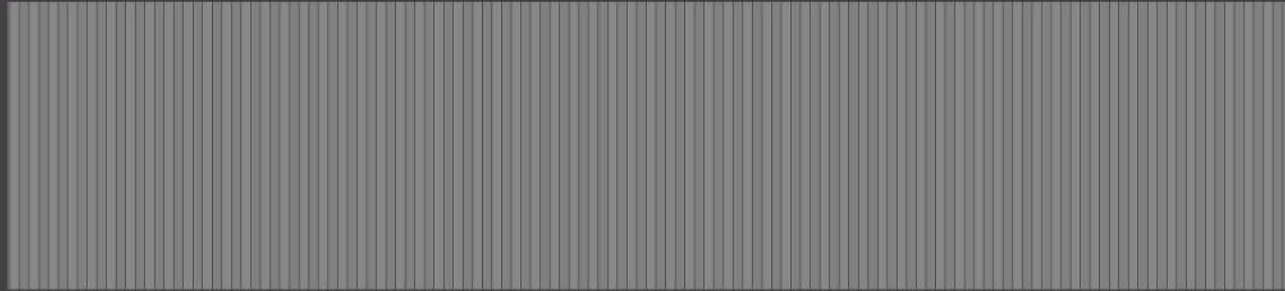


Durable

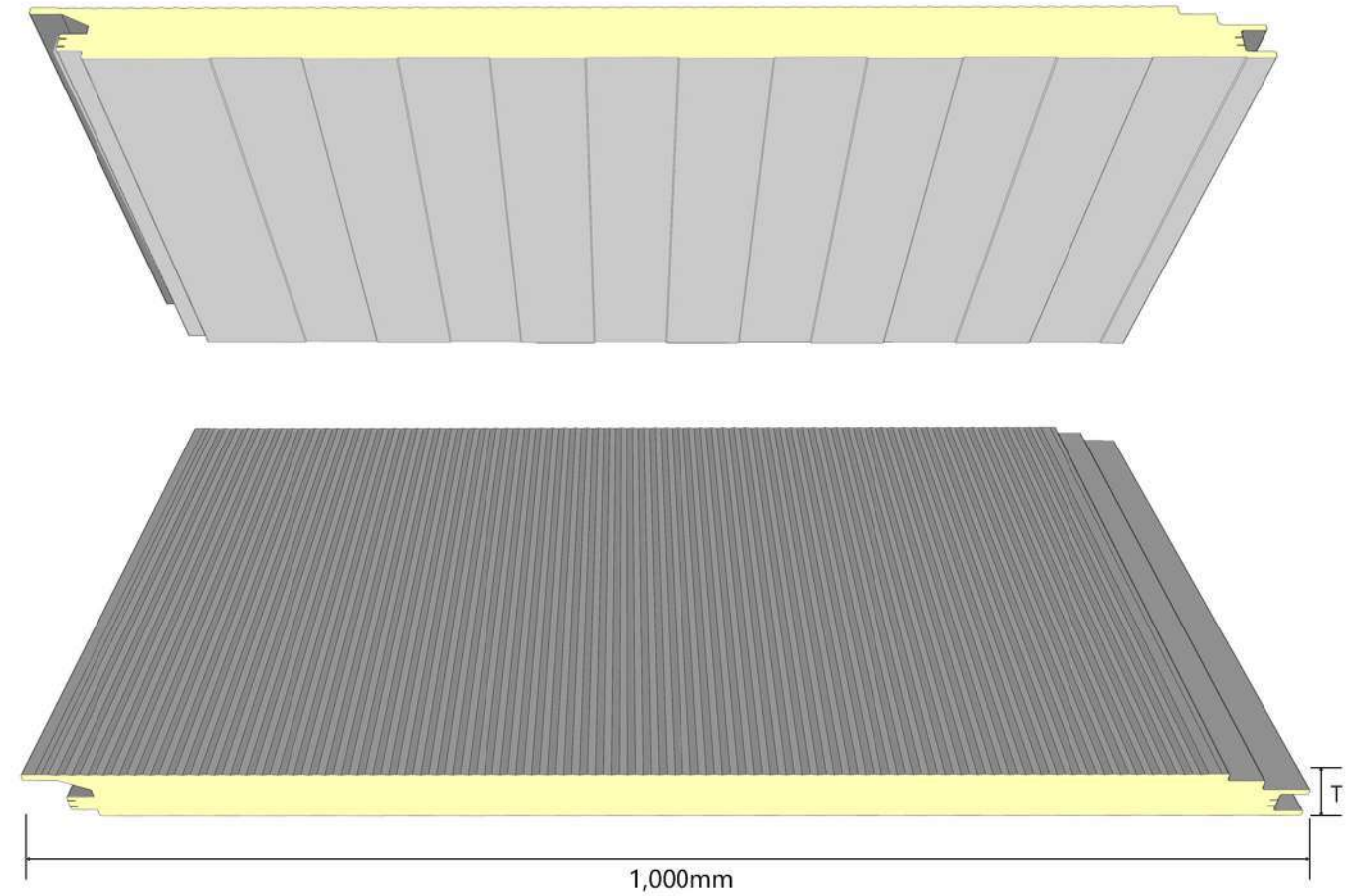
BRD sandwich panel used high quality core material, which has the high water-repellent rate. It can be used long time.

The Cases Show

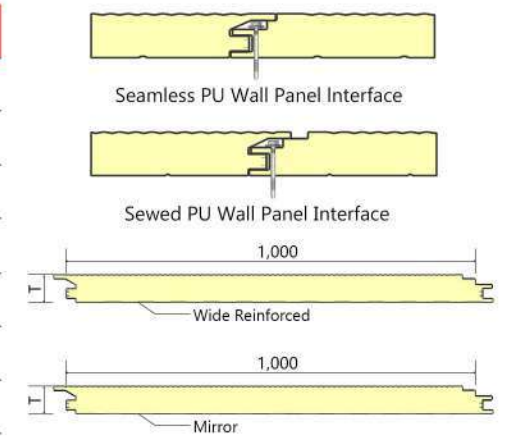
PU Wall Panel



Small Wave PU Wall Panel



PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.025
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

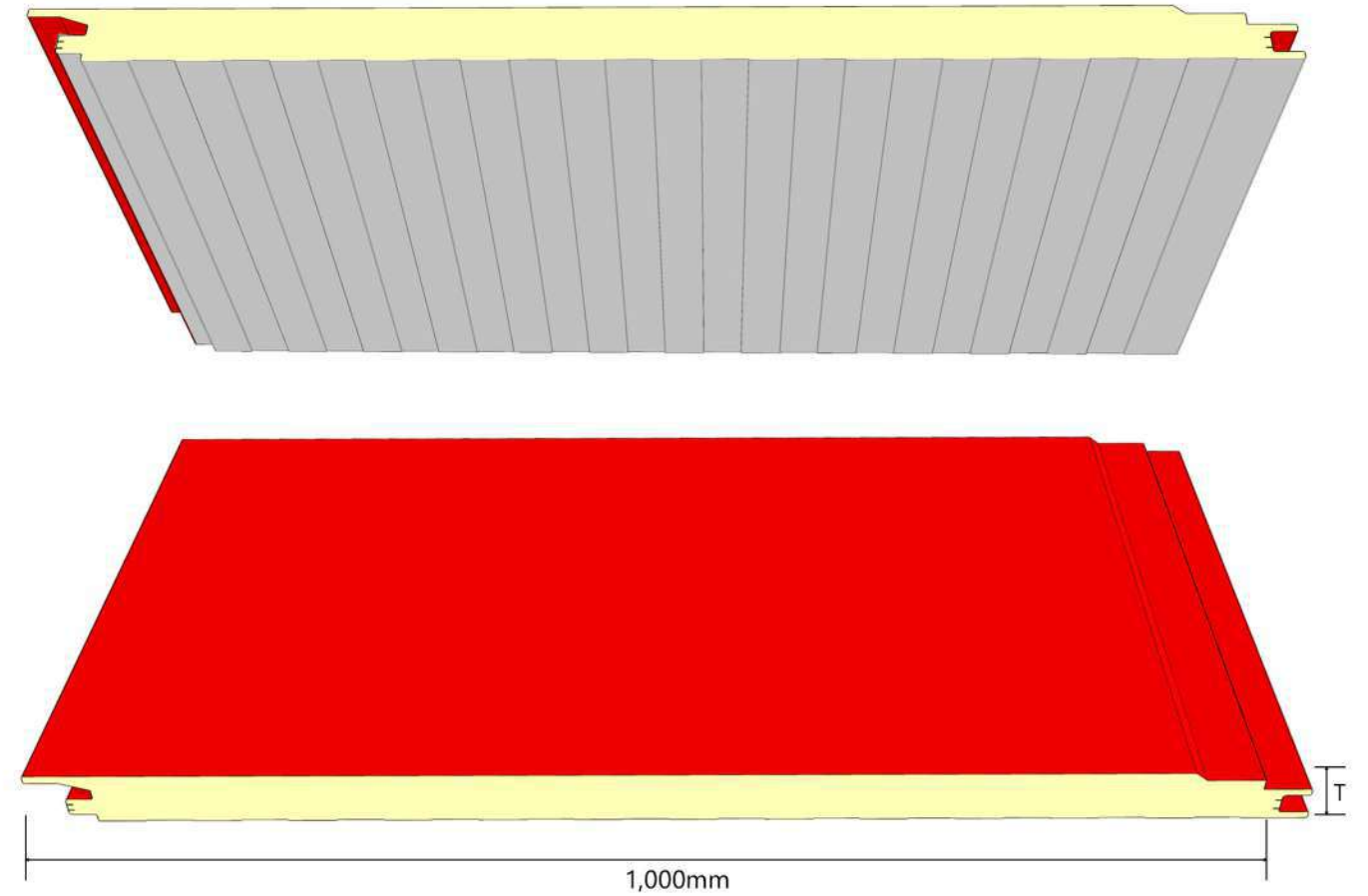


The Cases Show

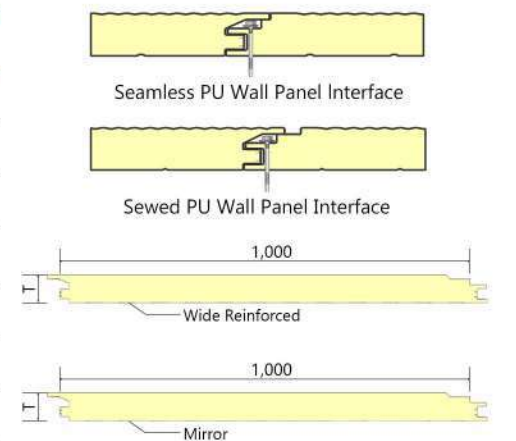
PU Wall Panel



Mirror PU Wall Panel

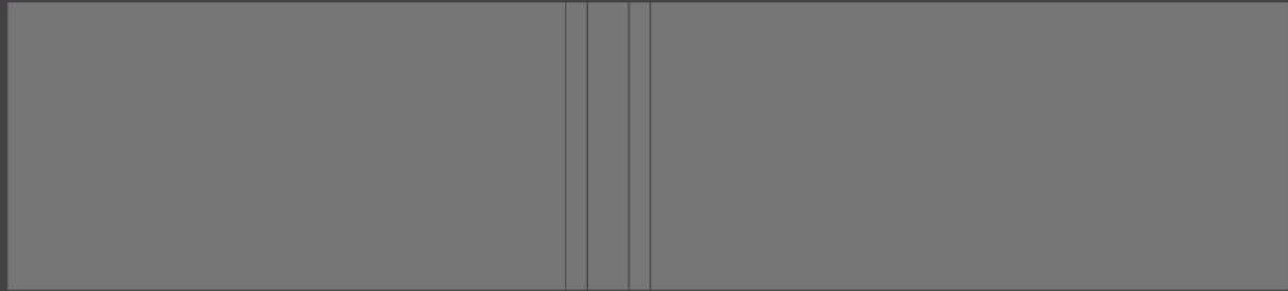


PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
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Thermal Conductivity (W/m.k)	≤0.025
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

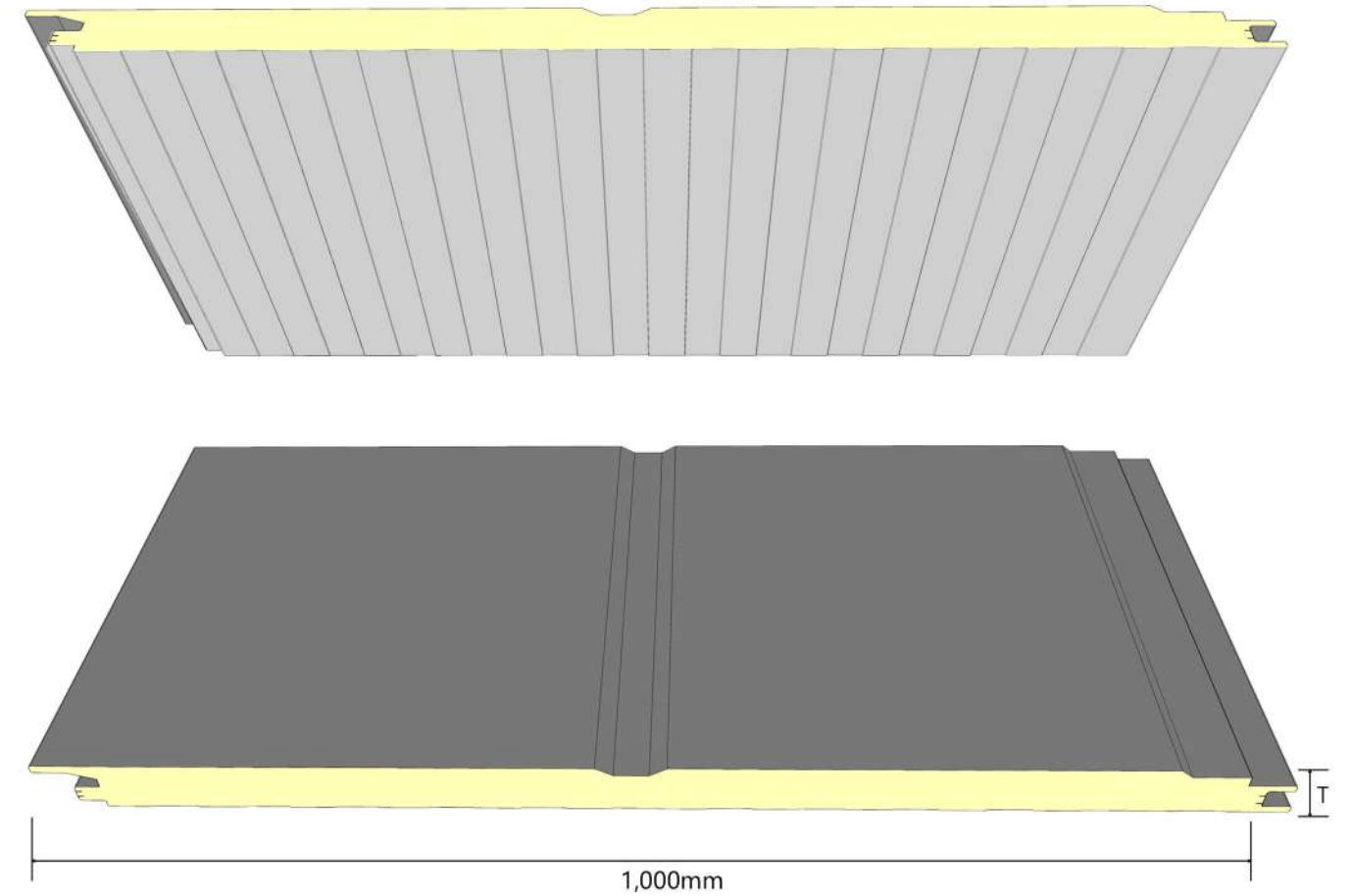


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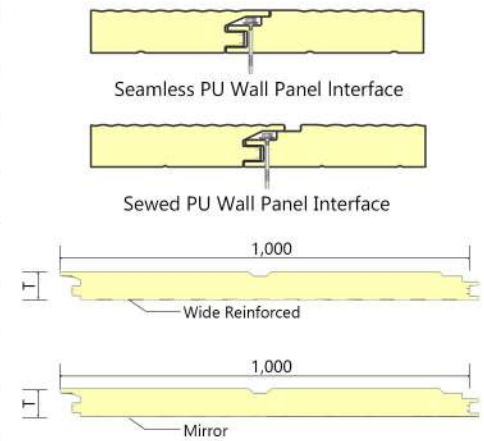
PU Wall Panel



Concave PU Wall Panel



PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.025
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

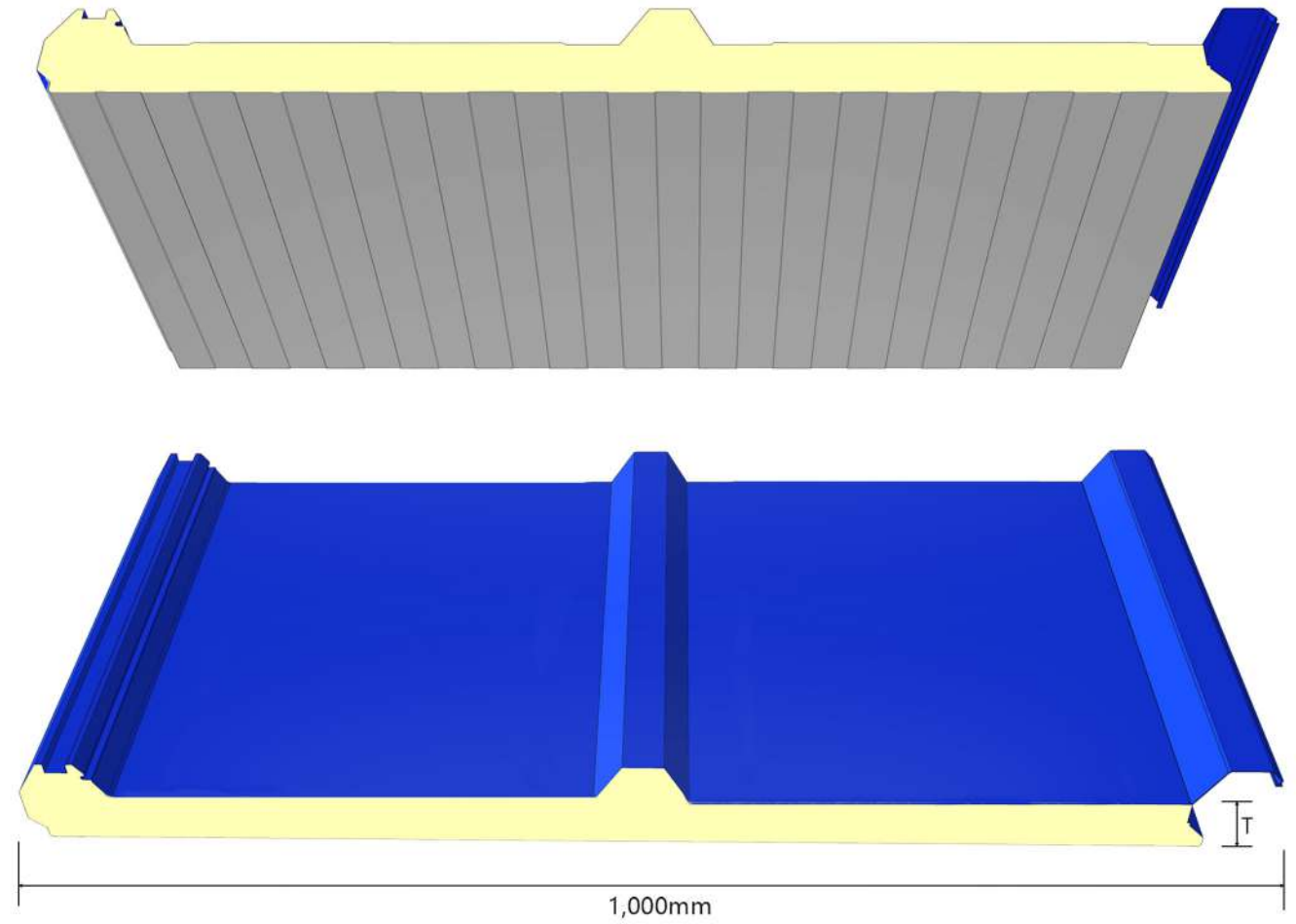


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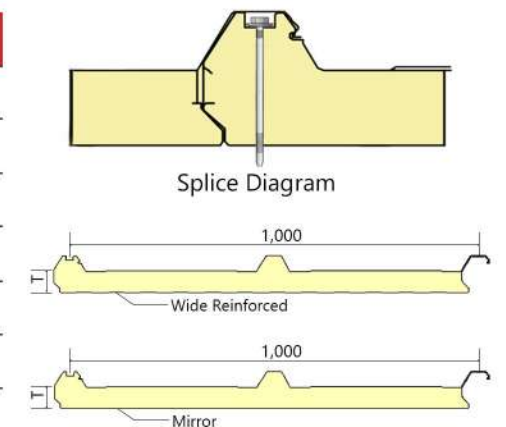
PU Roof Panel



Three Waves PU Roof Panel



PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	50mm/75mm/100mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.023
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

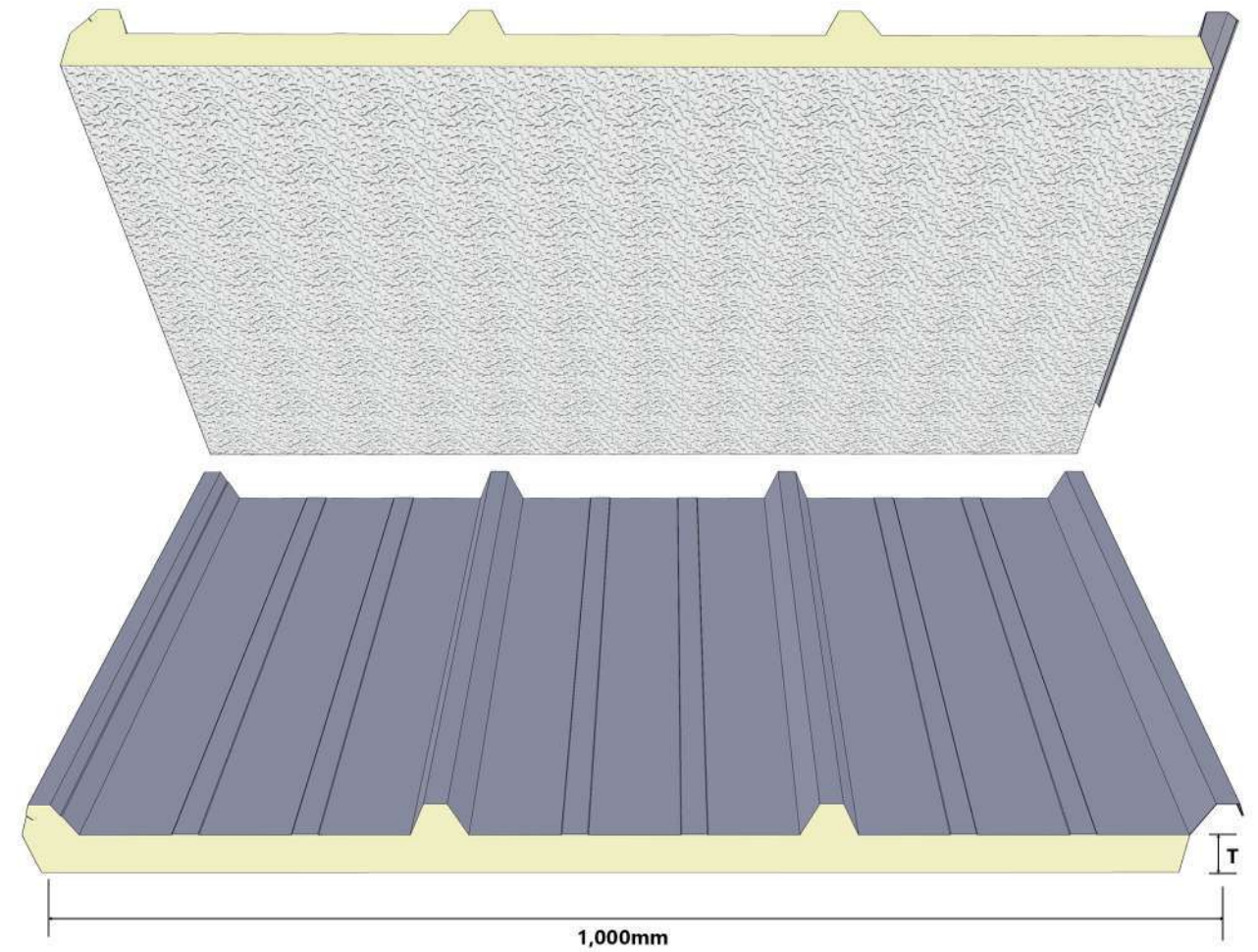


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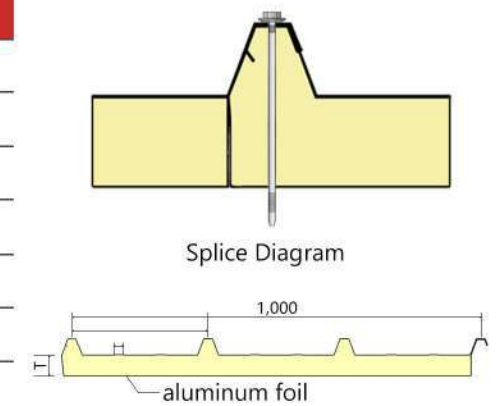
PU Roof Panel



Four Waves PU Roof Panel

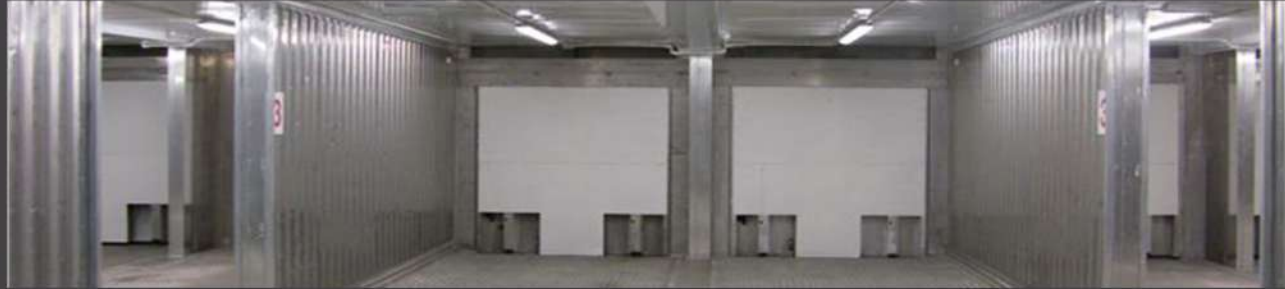


PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	60mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.023
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

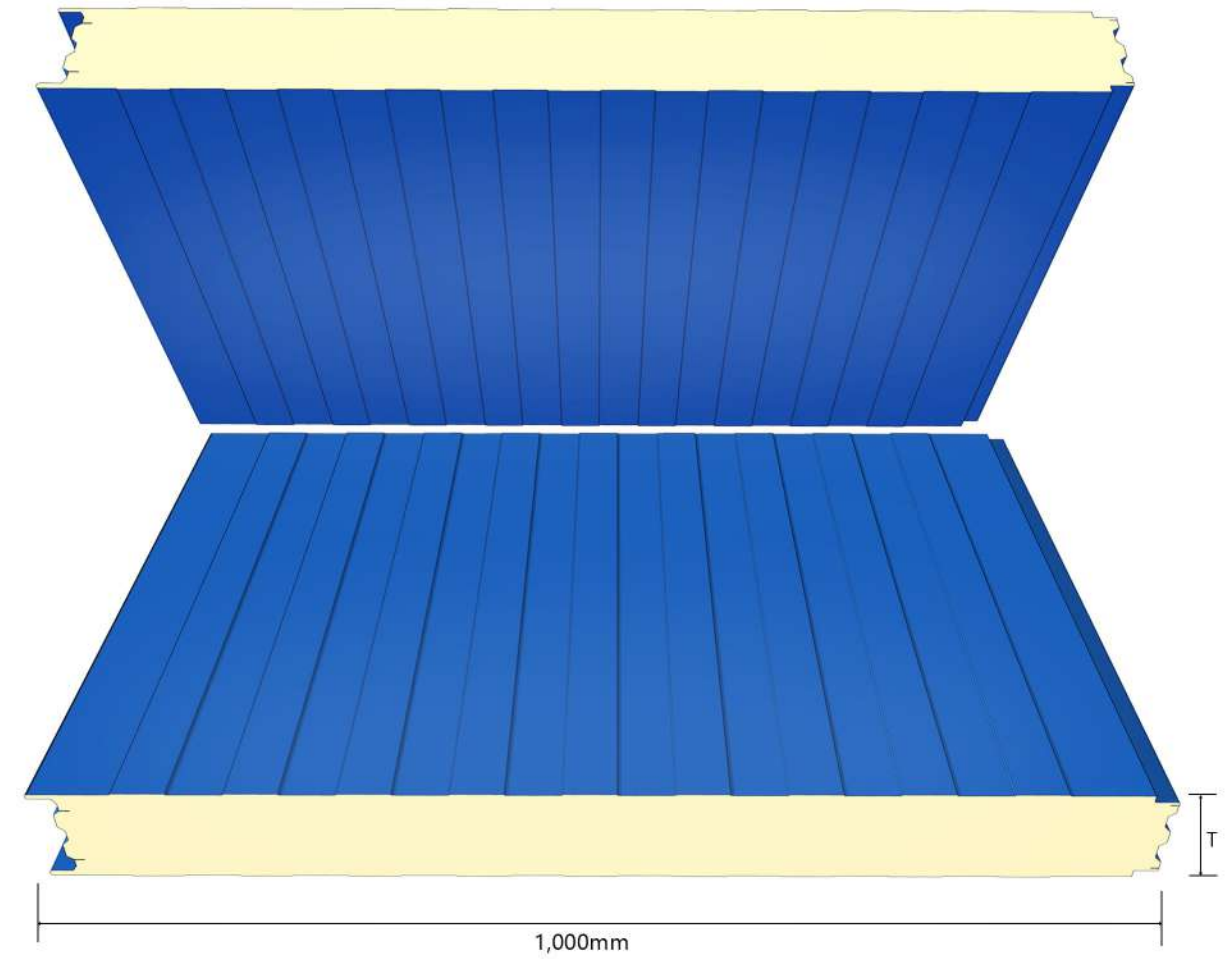


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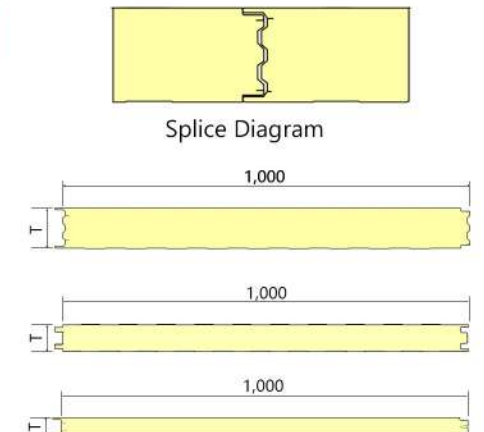
PU Cold Room Panel



PU Cold Room Panel

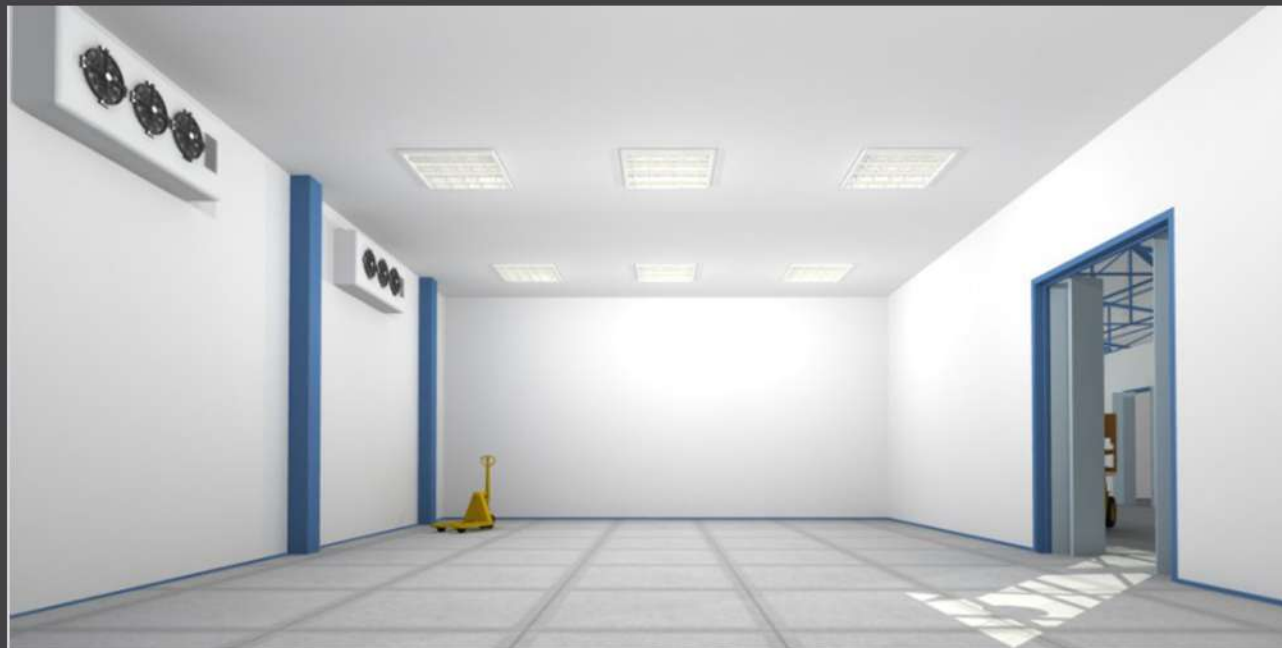


PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.023
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

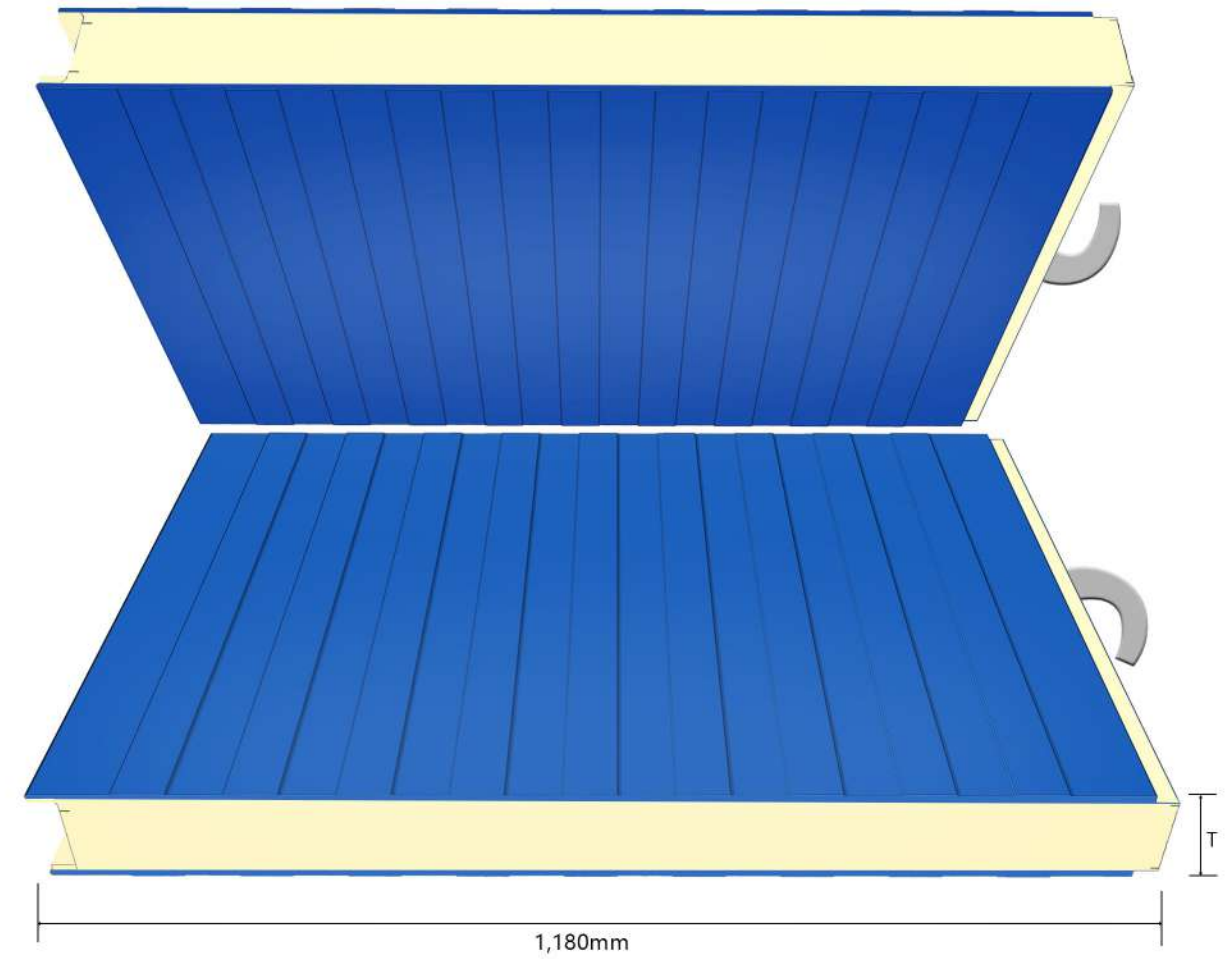


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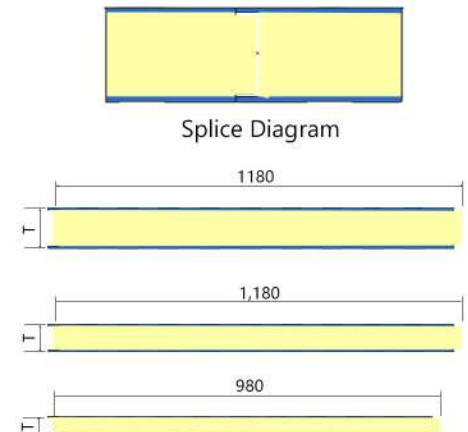
PU Cold Room Panel



Cam-lock PU Cold Room Panel

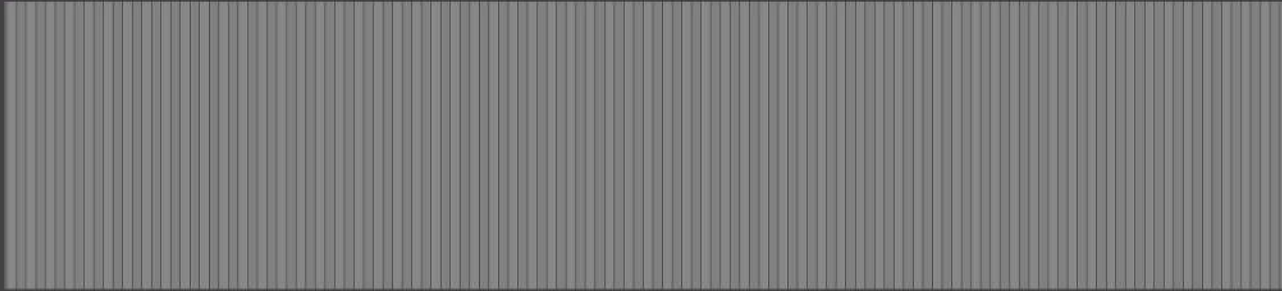


PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	38-42kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.023
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	2.0-2.7

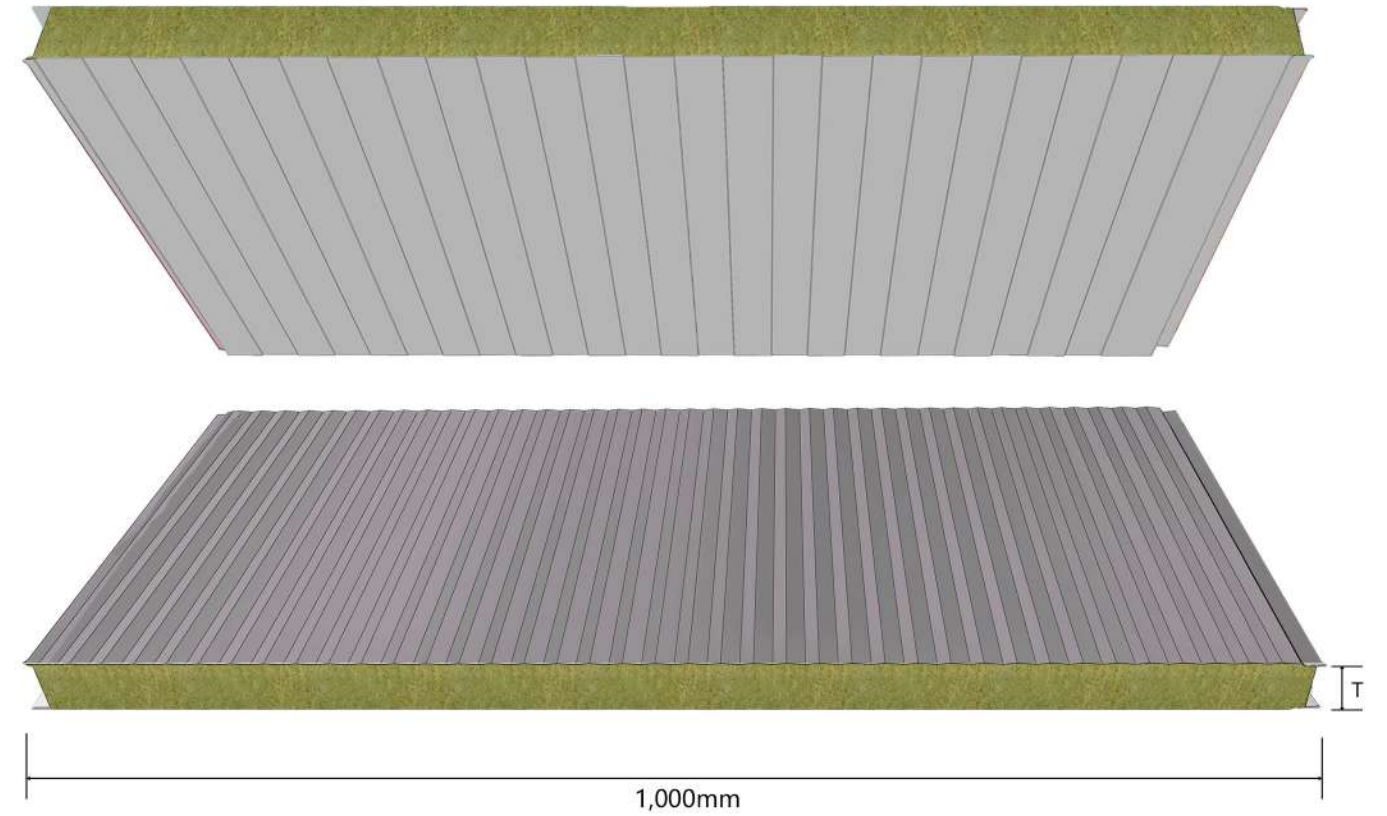


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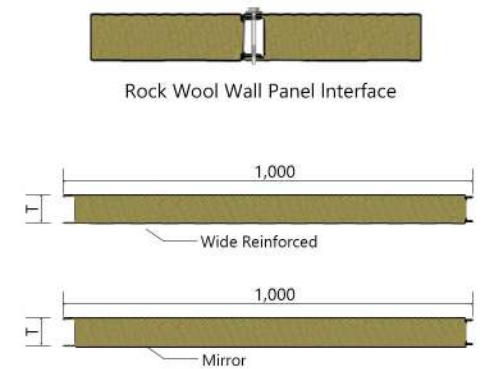
Rock Wool Wall Panel



Small Wave Rock Wool Wall Panel

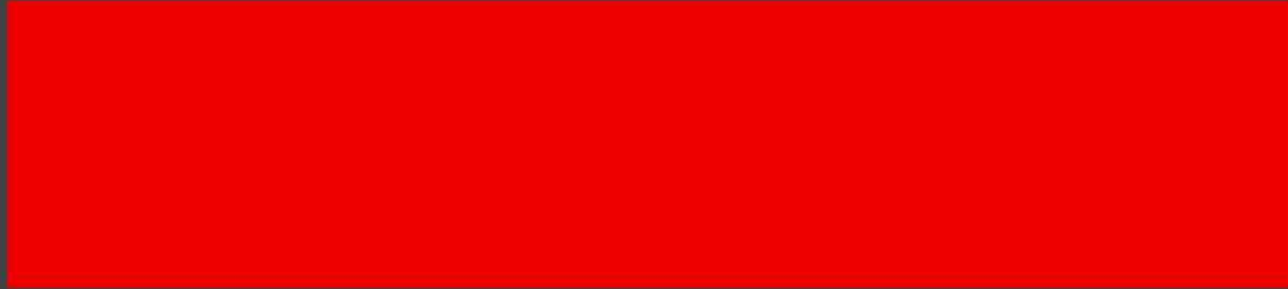


Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

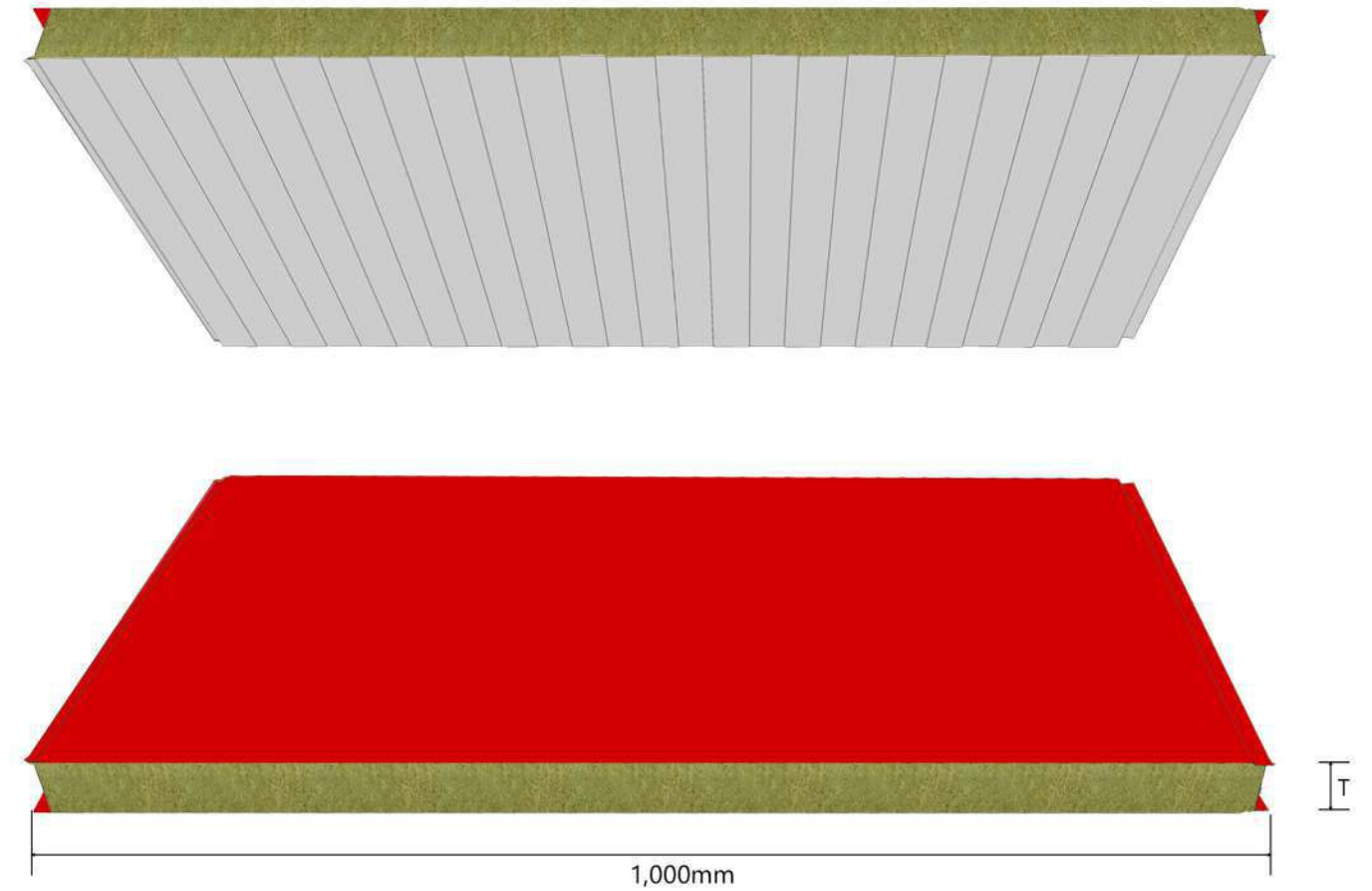


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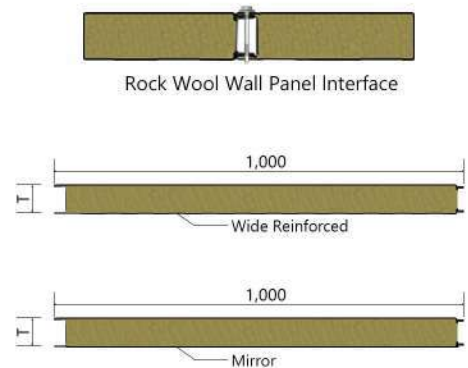
Rock Wool Wall Panel



Mirror Rock Wool Wall Panel

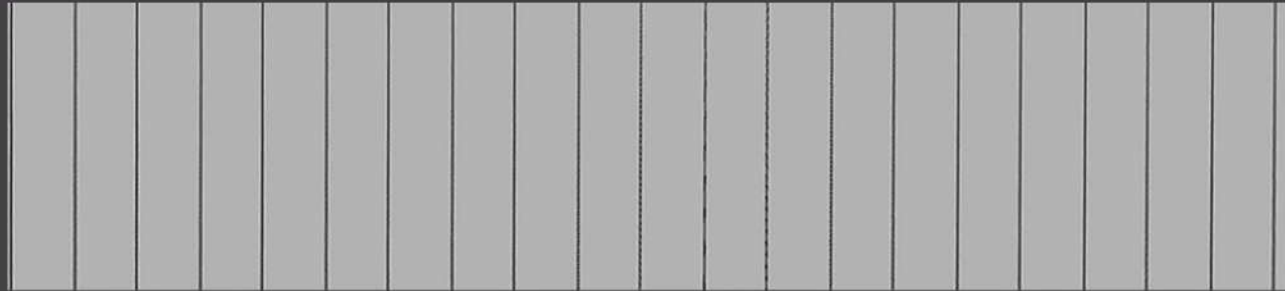


Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

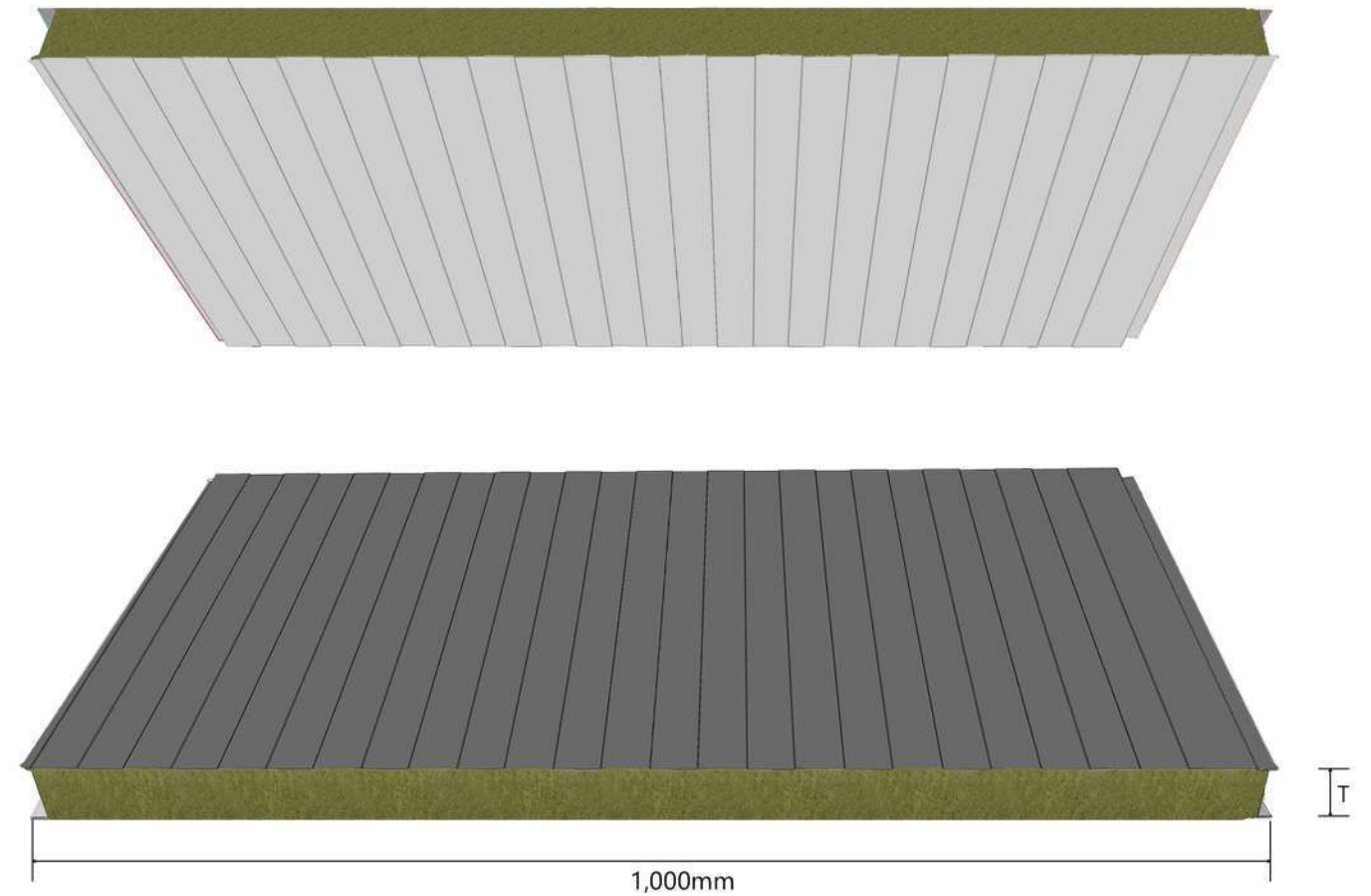


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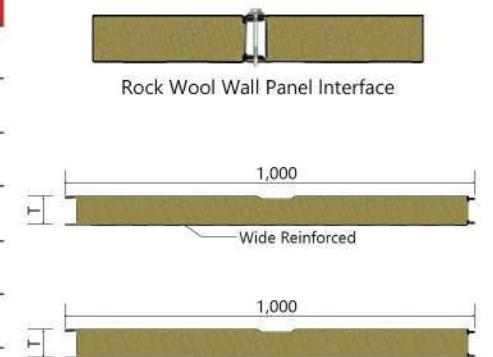
Rock Wool Wall Panel



Wide Reinforced Rock Wool Wall Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

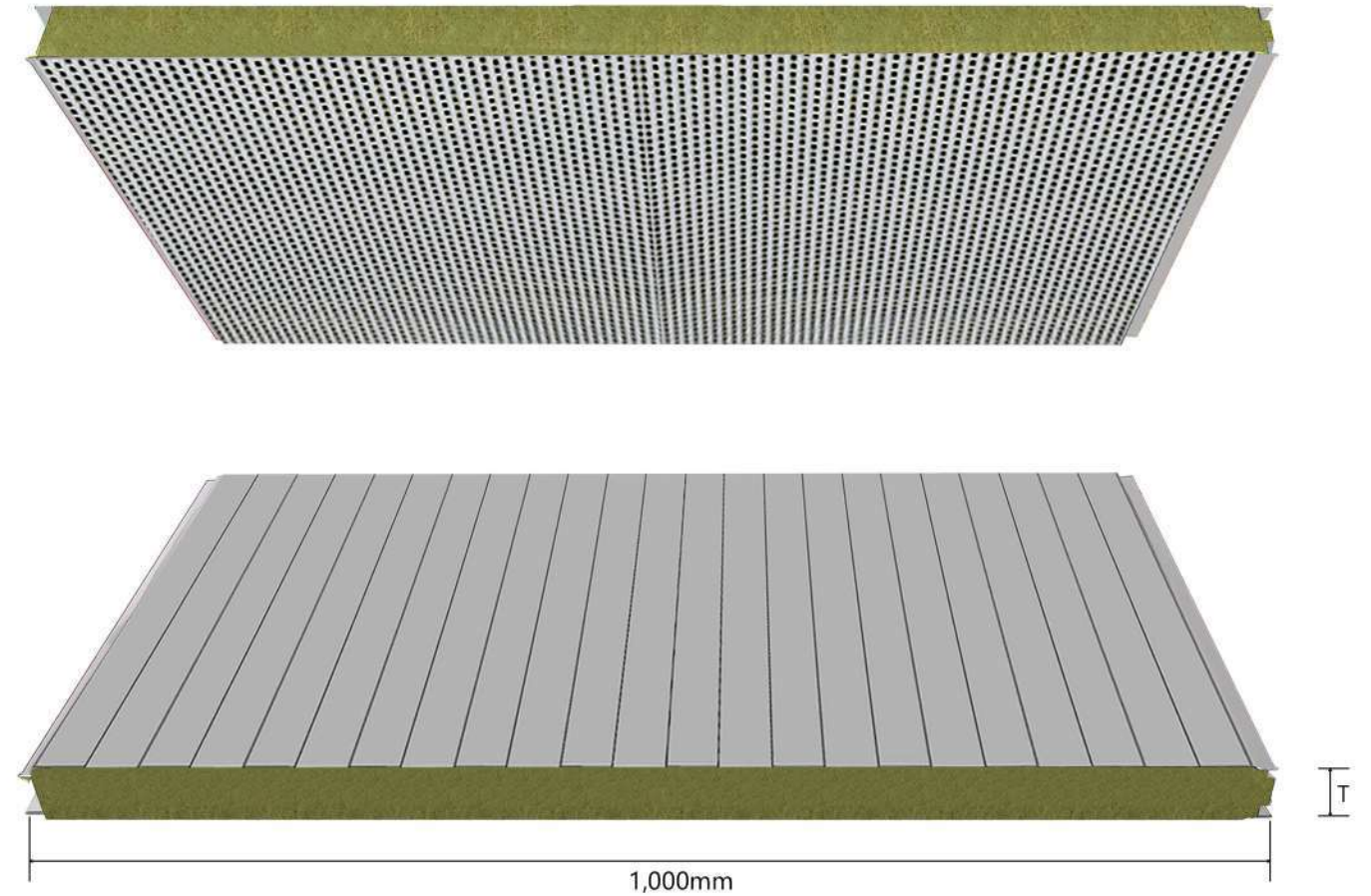


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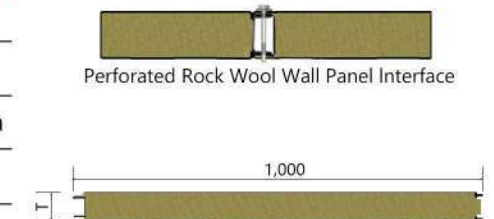
Rock Wool Wall Panel



Perforated Rock Wool Wall Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

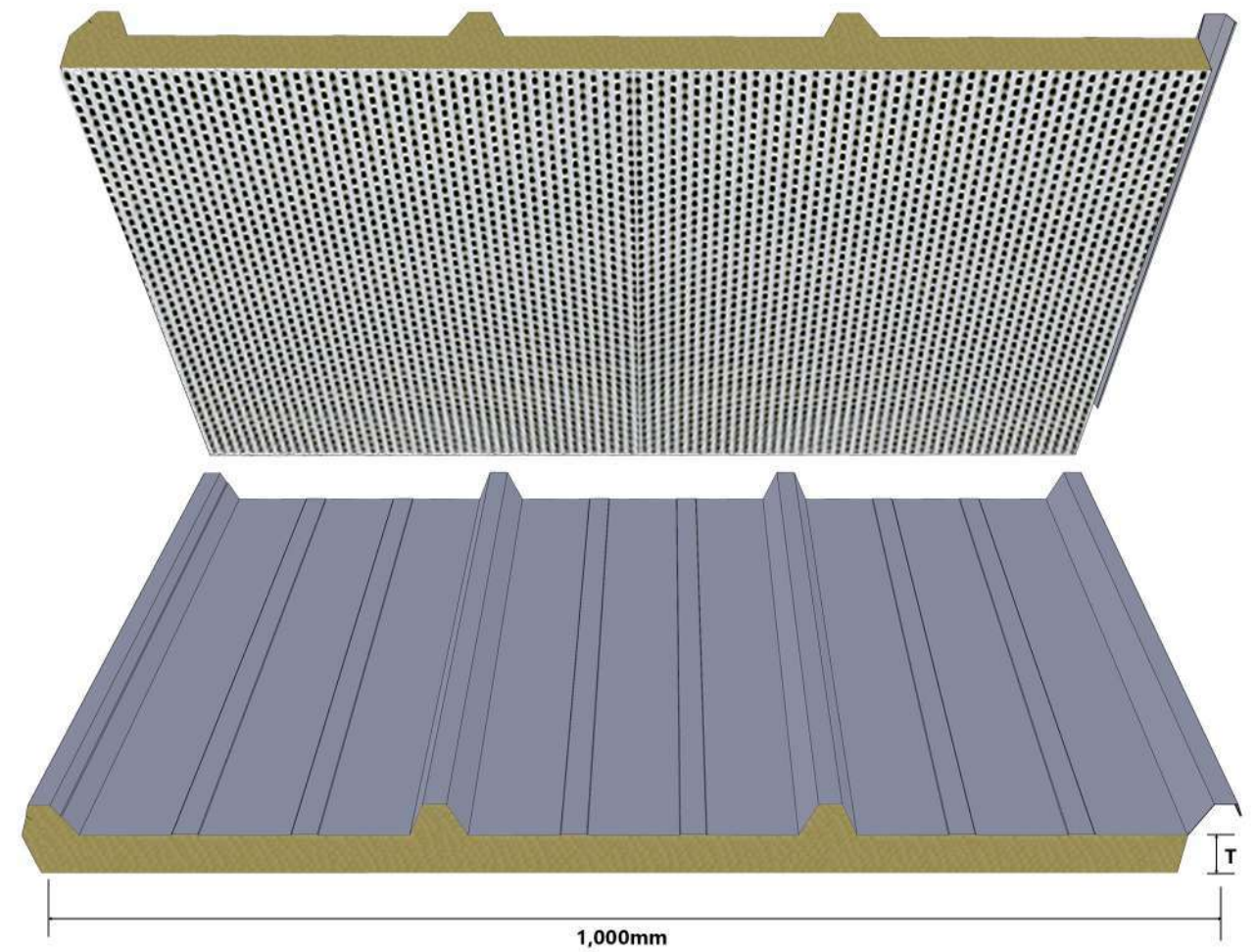


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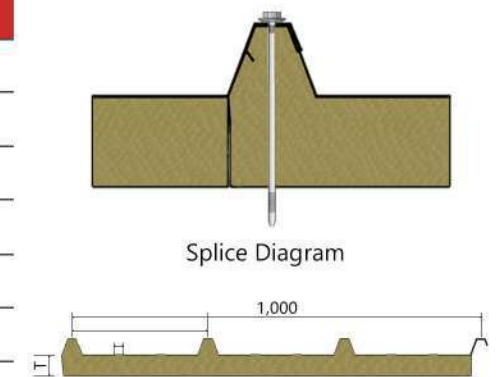
Rock Wool Roof Panel



Perforated Rock Wool Roof Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	60mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

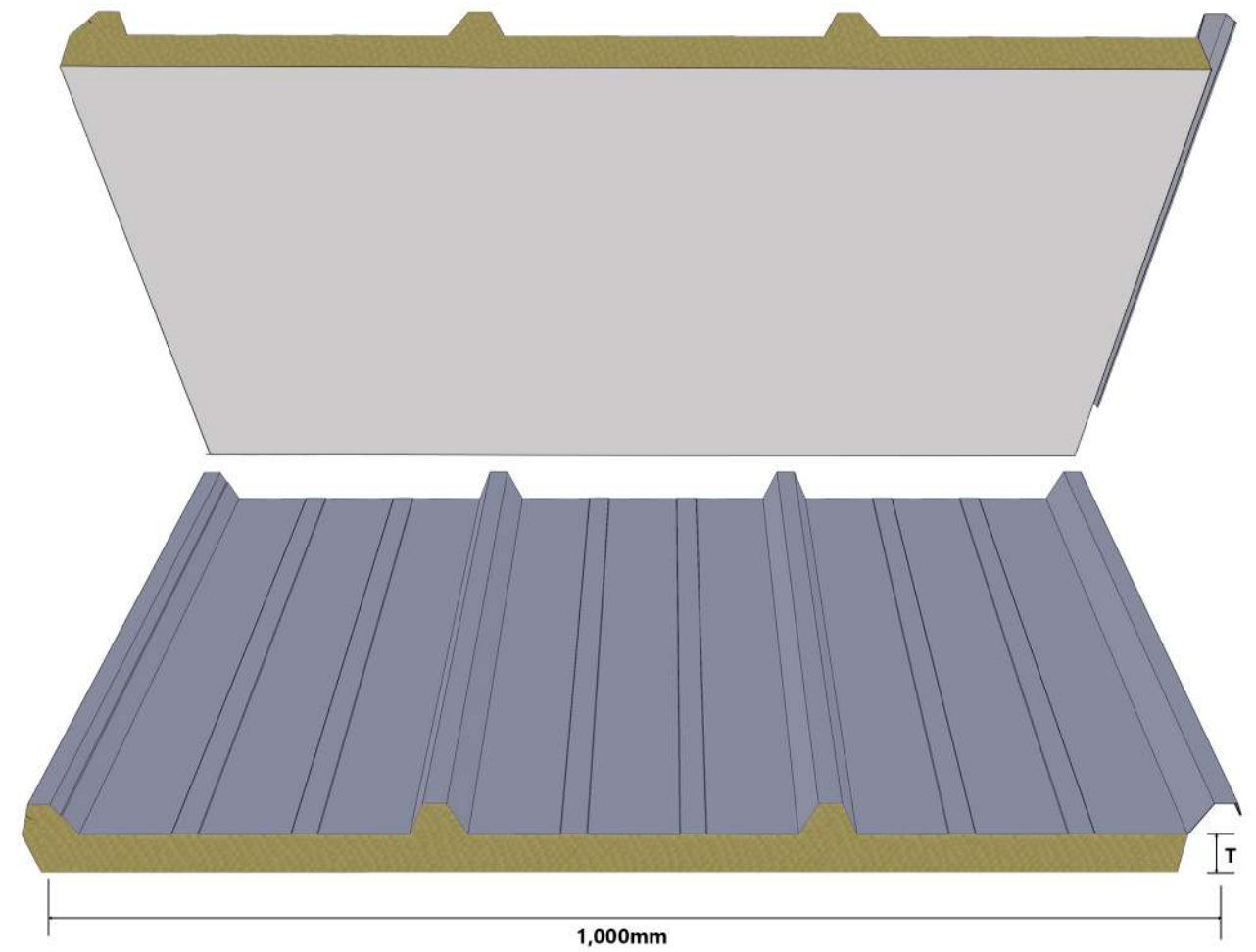


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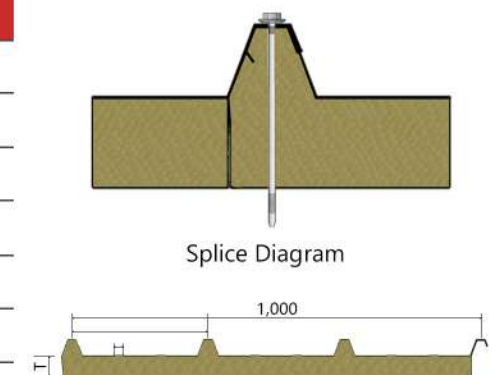
Rock Wool Roof Panel



Four Waves Rock Wool Roof Panel

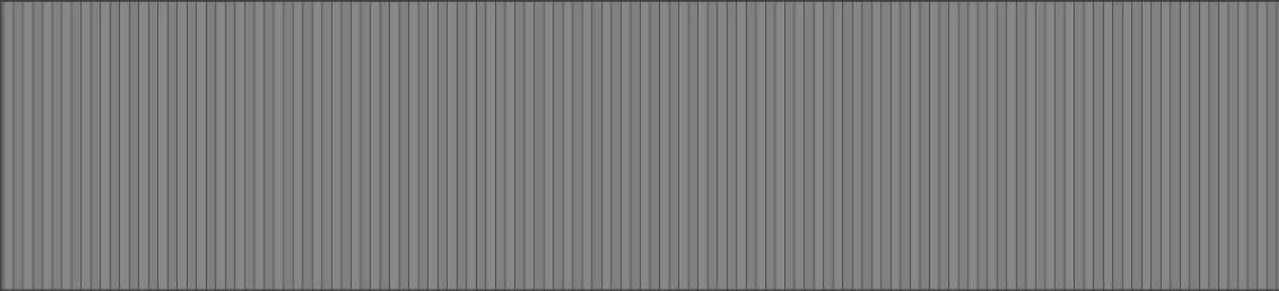


Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	60mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

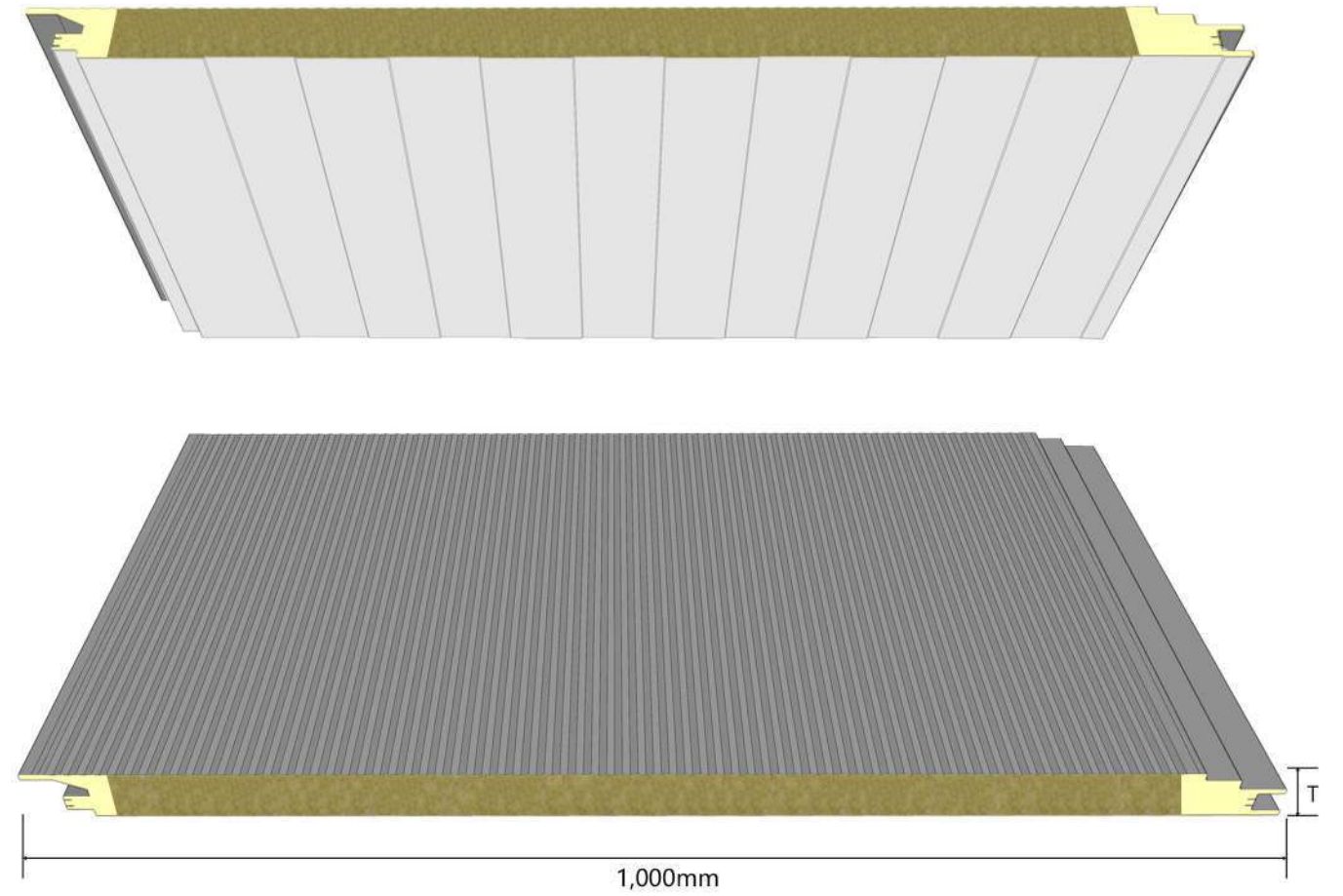


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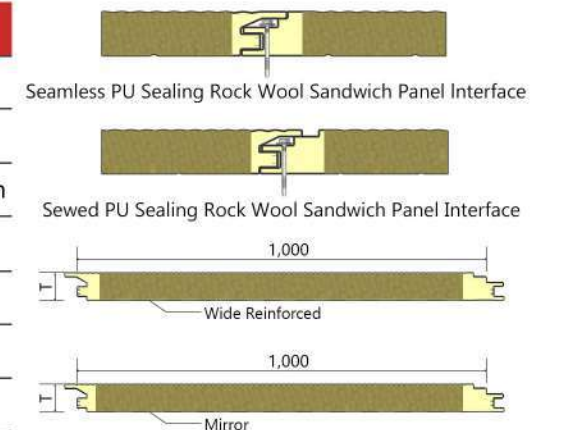
PU Sealing Rock Wool Wall Panel



Small Wave PU Sealing Rock Wool Wall Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

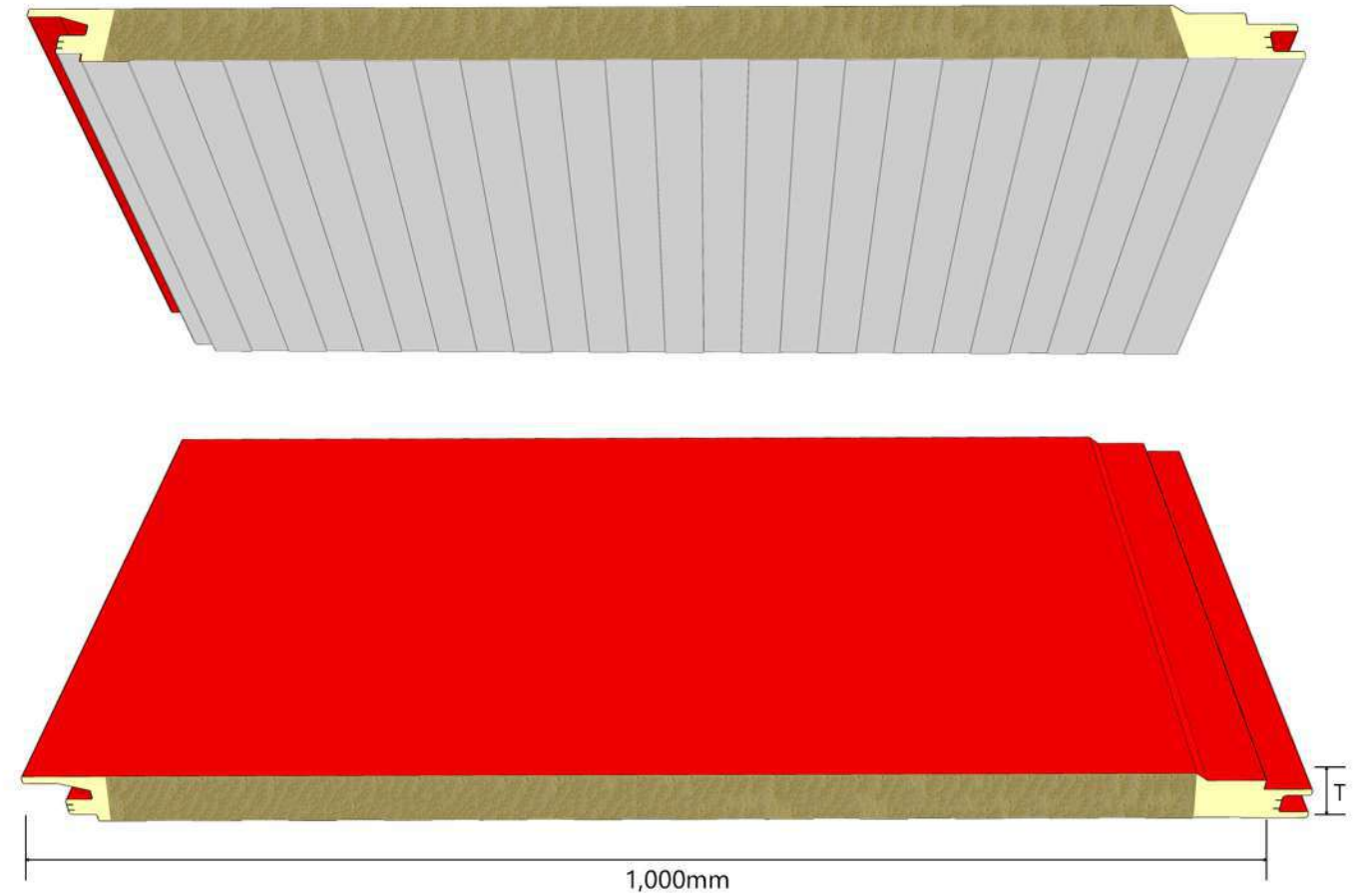


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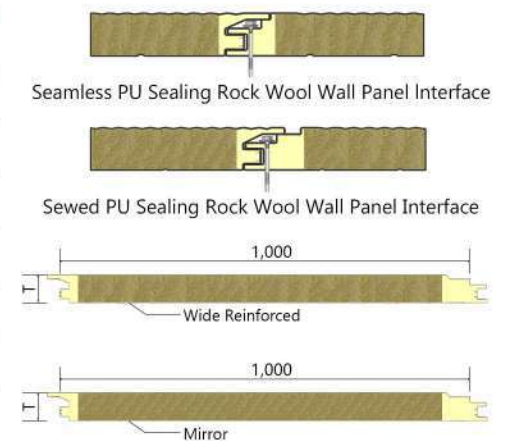
PU Sealing Rock Wool Wall Panel



Mirror PU Sealing Rock Wool Wall Panel

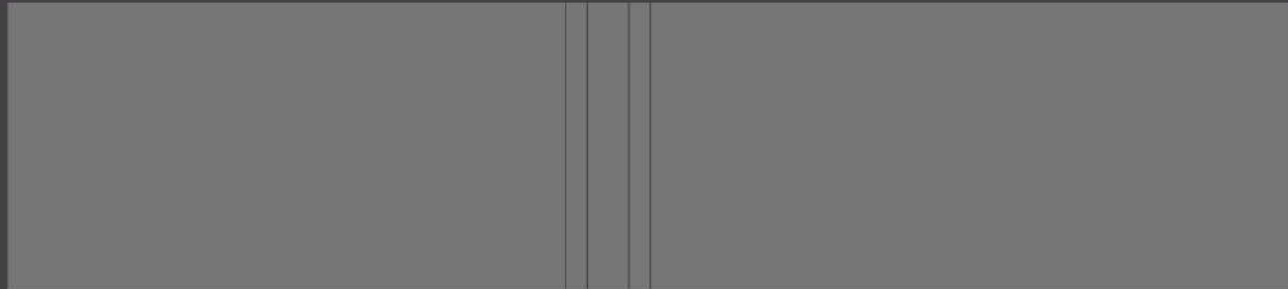


Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

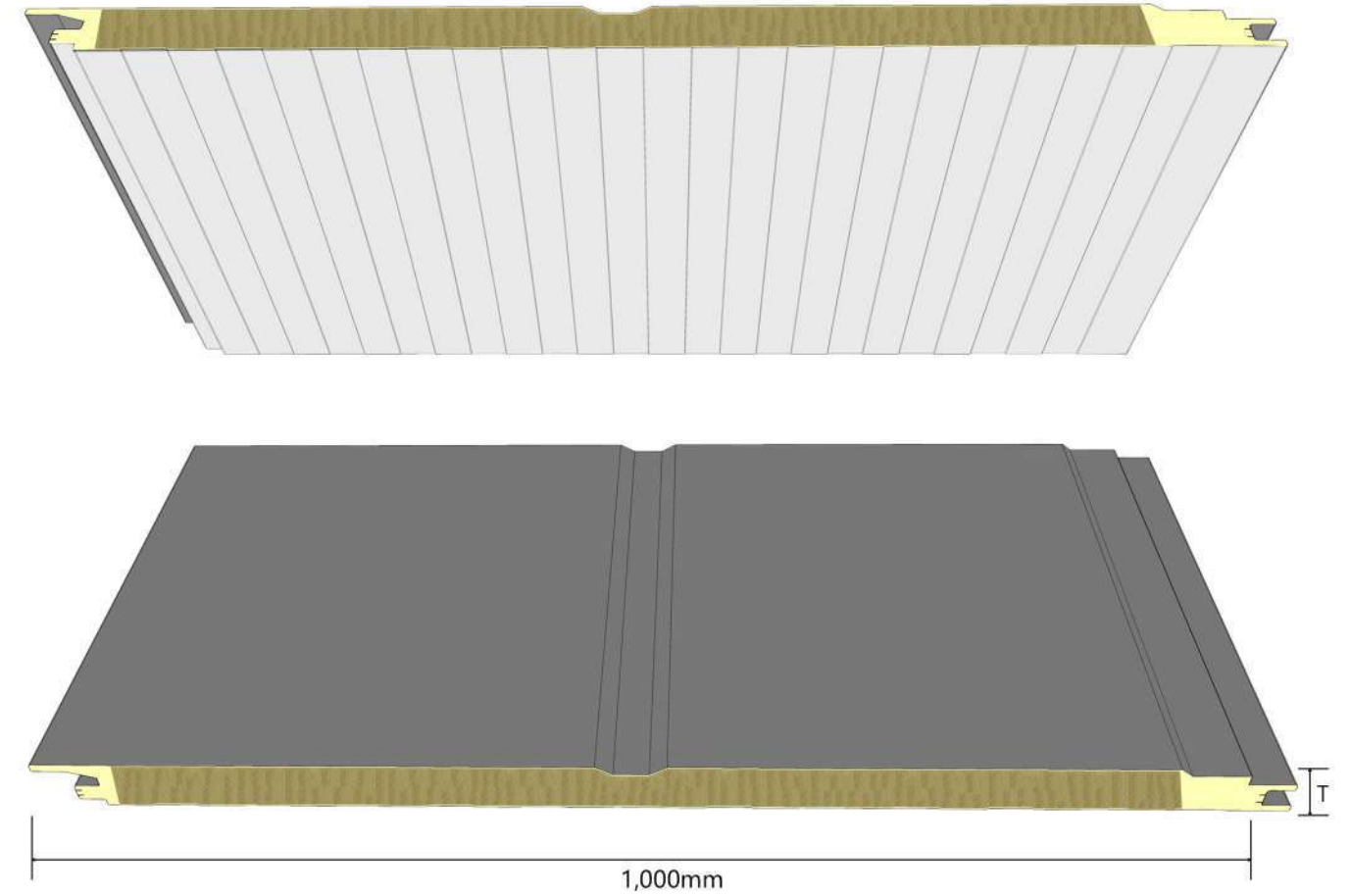


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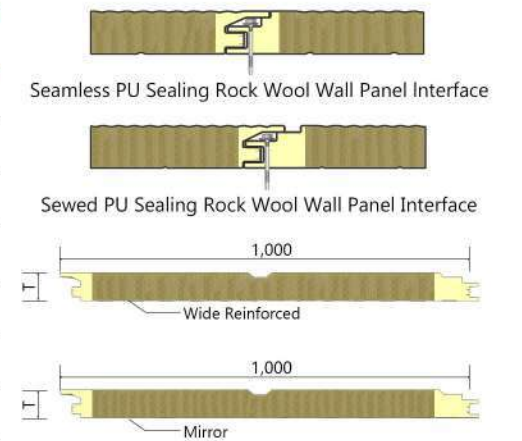
PU Sealing Rock Wool Wall Panel



Concave PU Sealing Rock Wool Wall Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

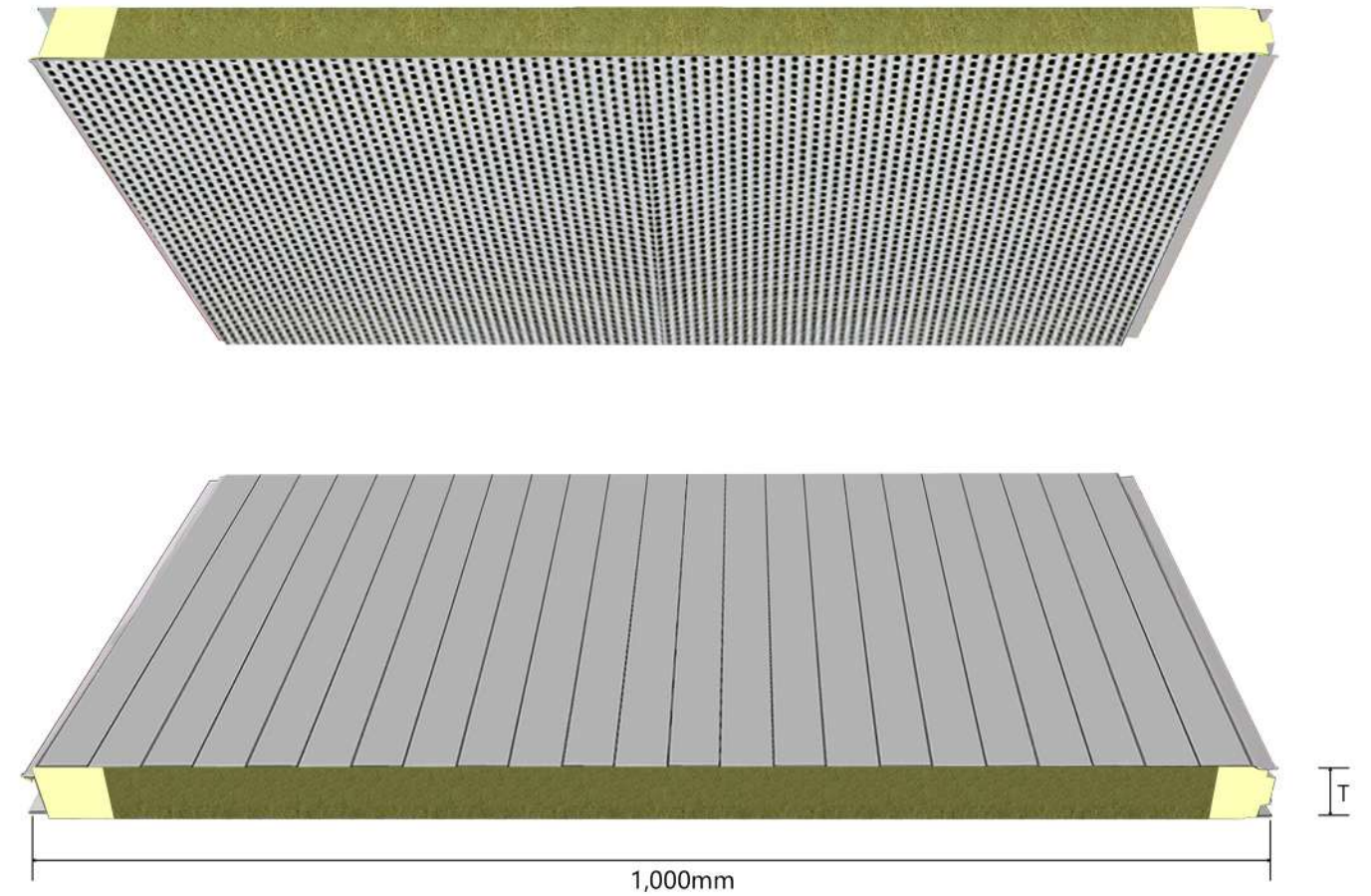


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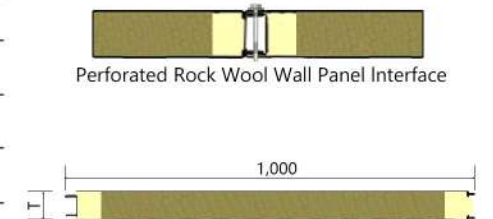
PU Sealing Rock Wool Wall Panel



Perforated PU Sealing Rock Wool Wall Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

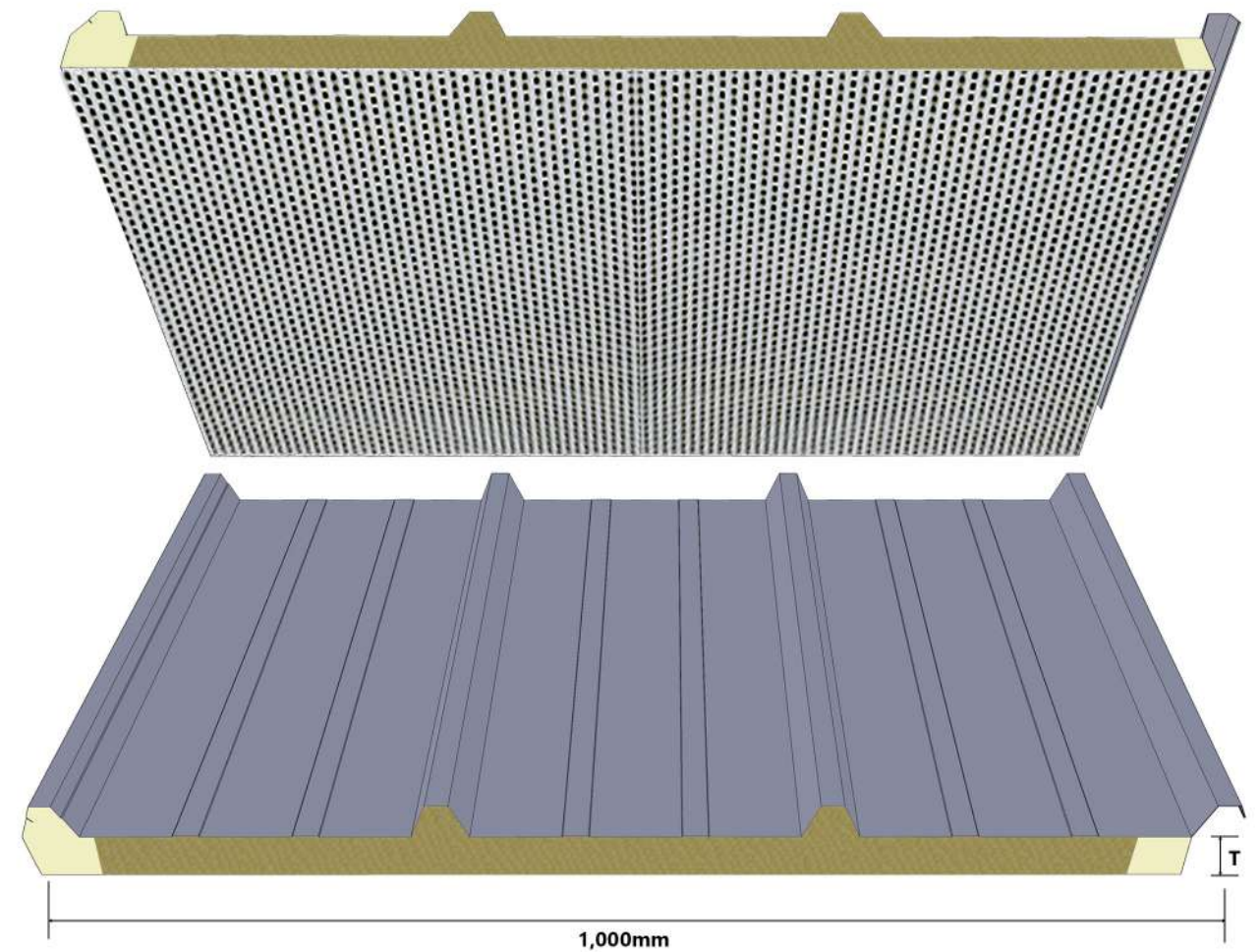


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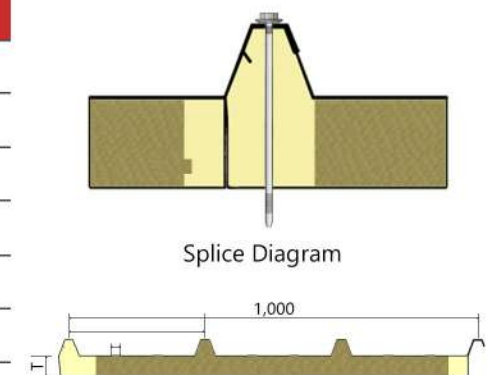
PU Sealing Rock Wool Roof Panel



Four Waves Perforated PU Sealing Rock Wool Roof Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	60mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

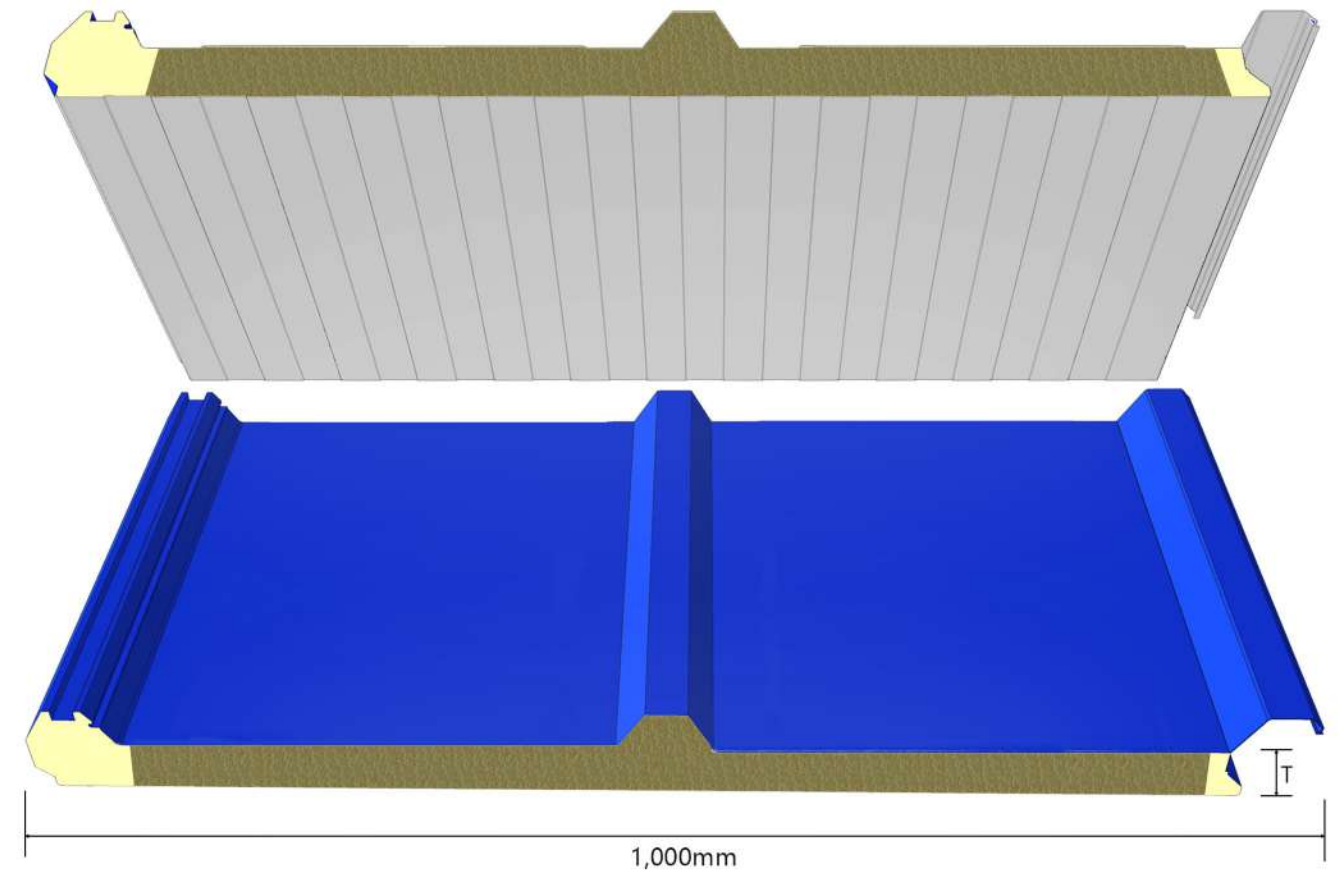


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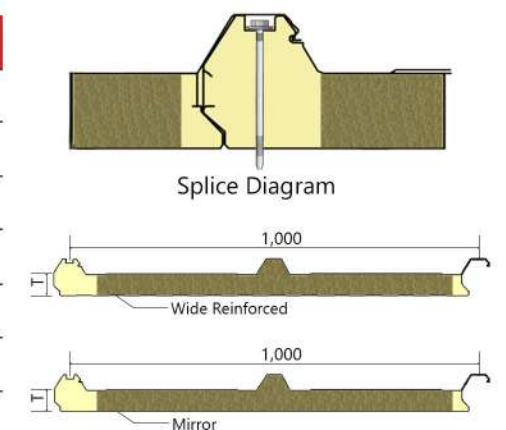
PU Sealing Rock Wool Roof Panel



Three Waves PU Sealing Rock Wool Roof Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

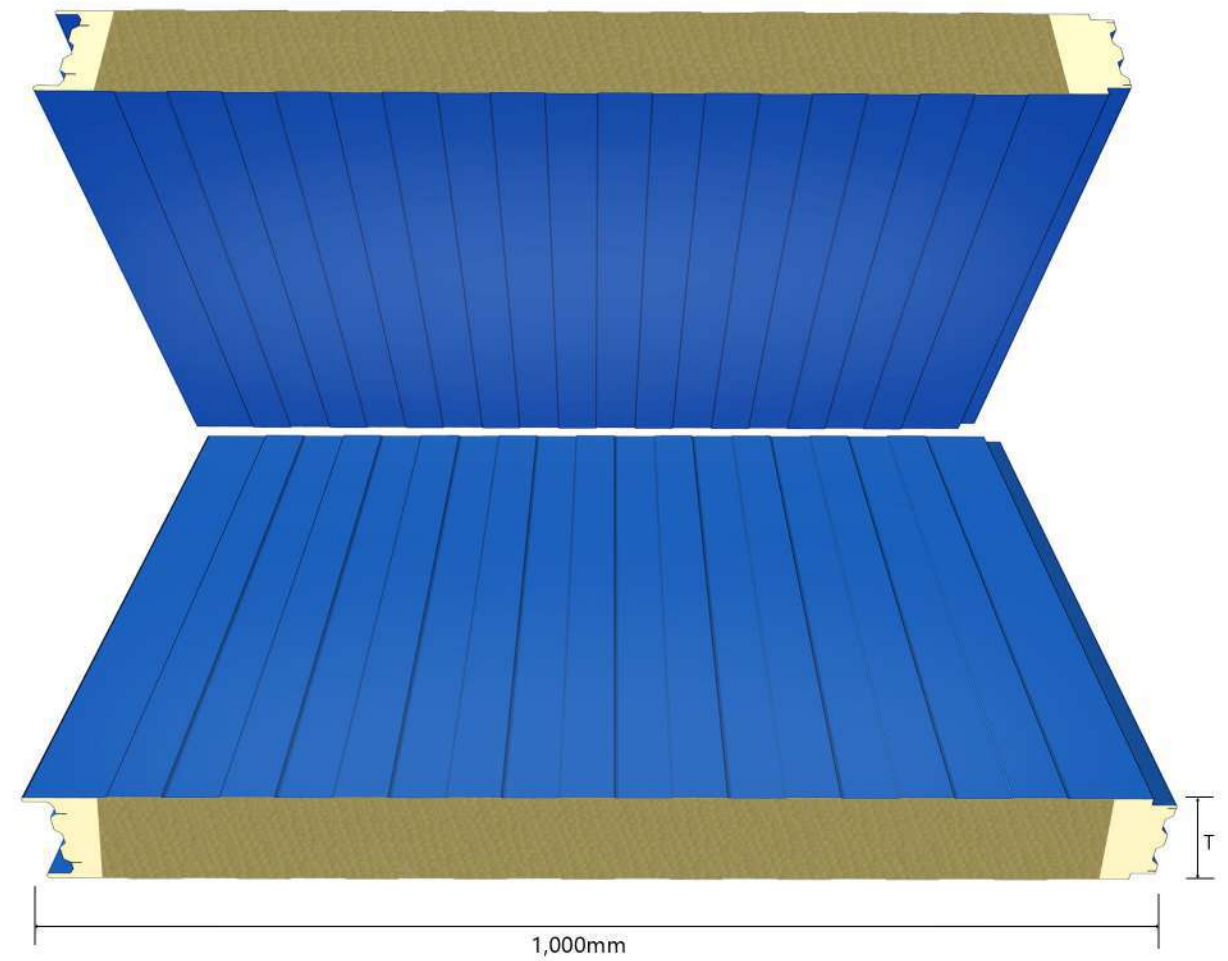


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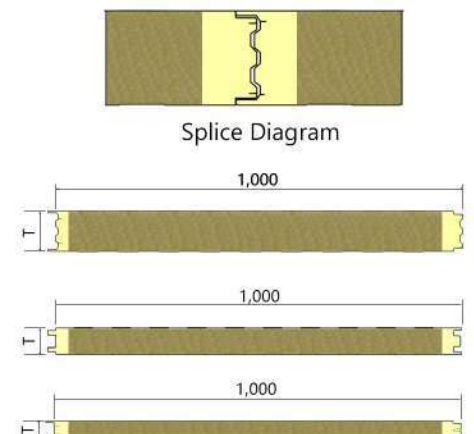
PU Sealing Rock Wool Cold Room Panel



PU Sealing Rock Wool Cold Room Panel

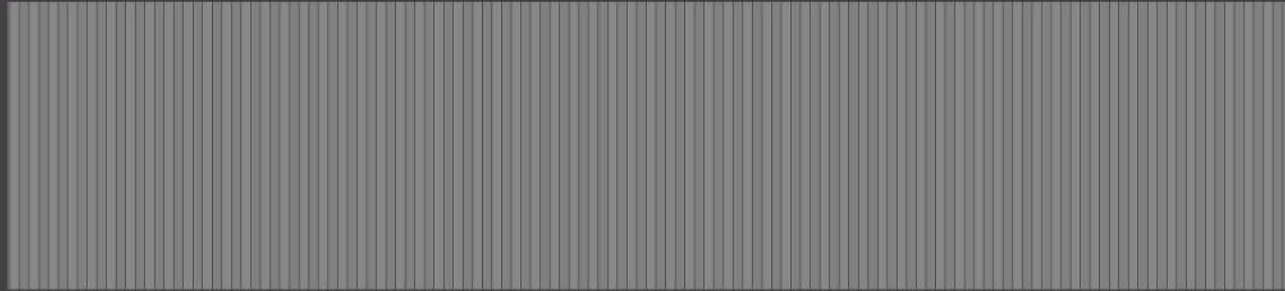


Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-120kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

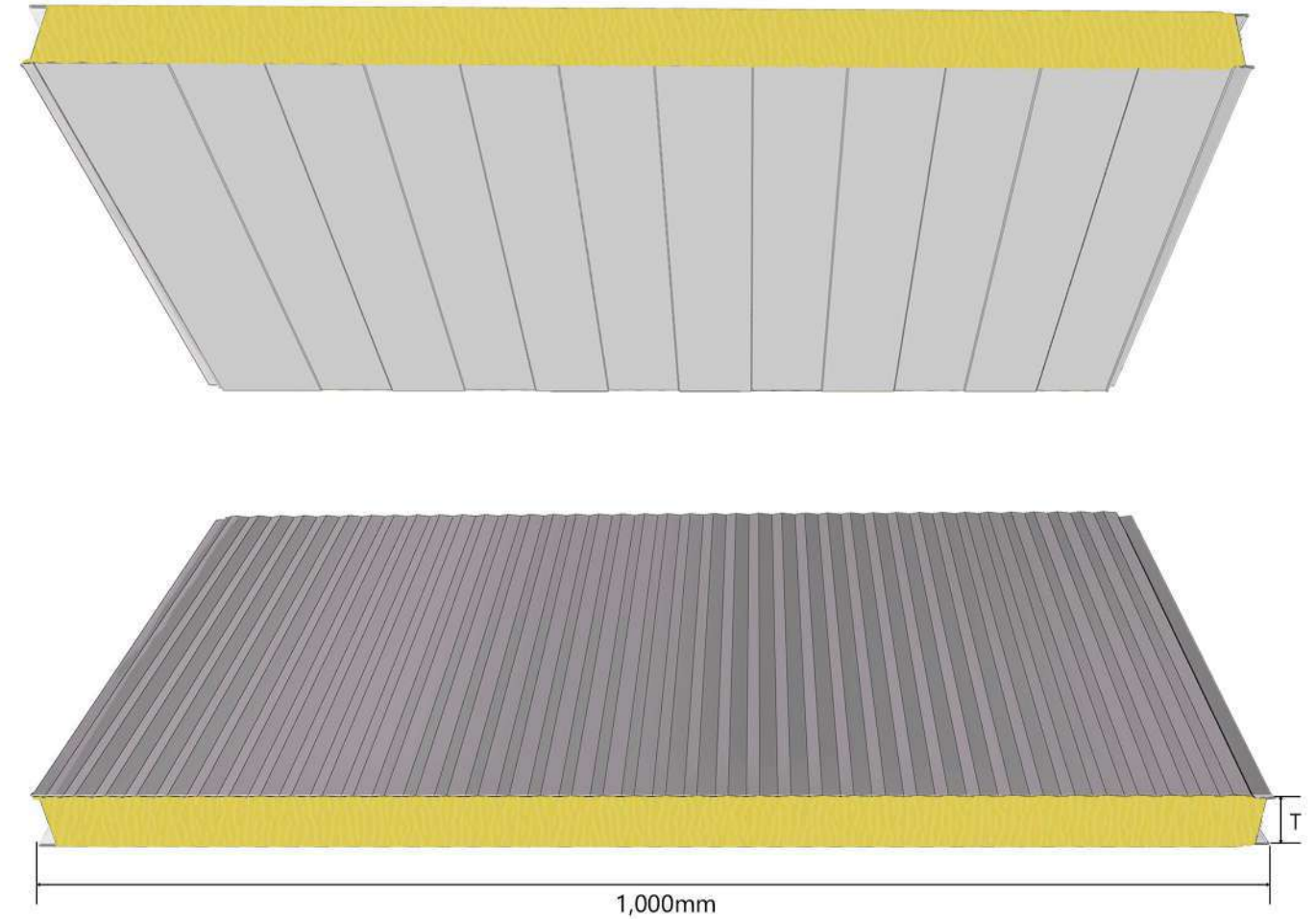


The Cases Show

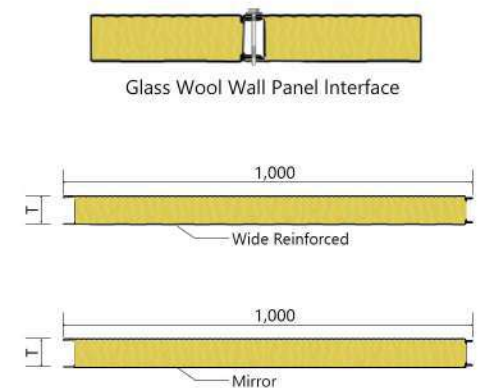
Glass Wool Wall Panel



Small Wave Glass Wool Wall Panel



Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

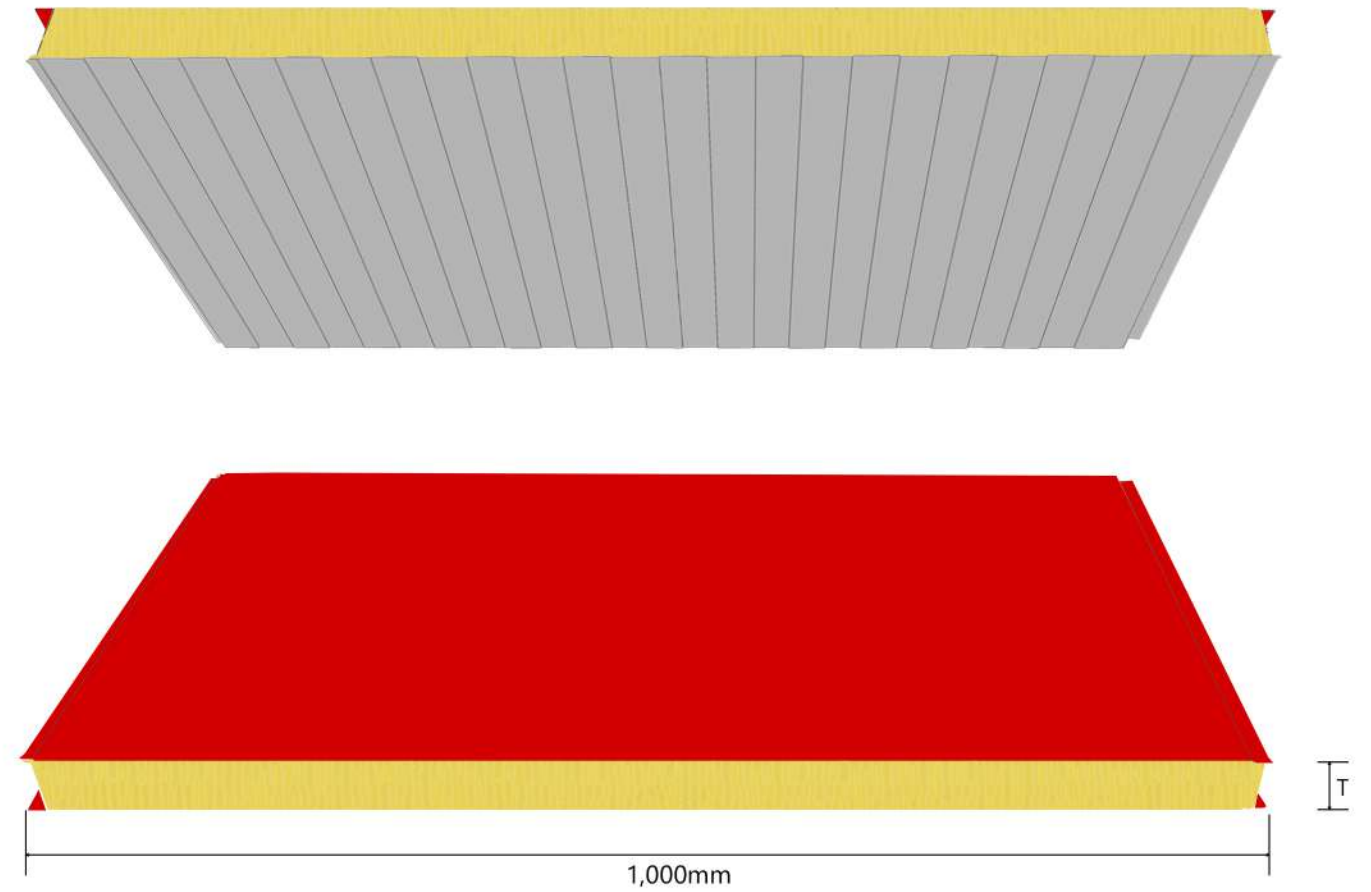


The Cases Show

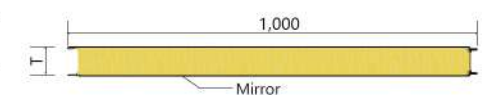
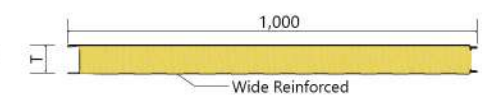
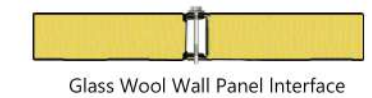
Glass Wool Wall Panel



Mirror Glass Wool Wall Panel

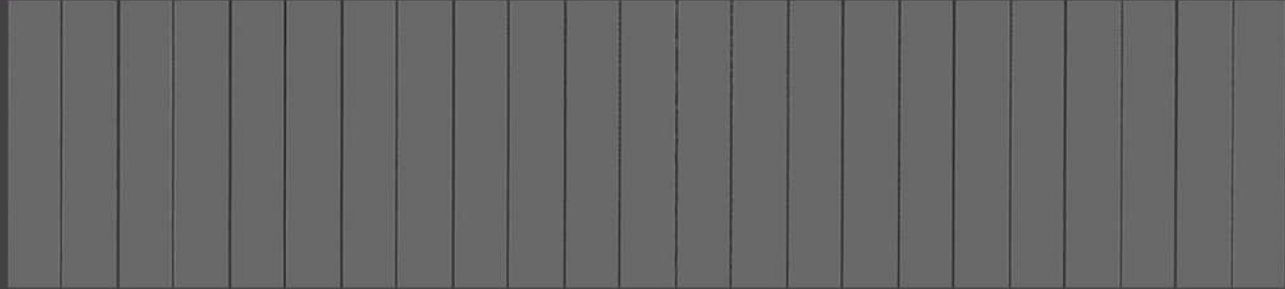


Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

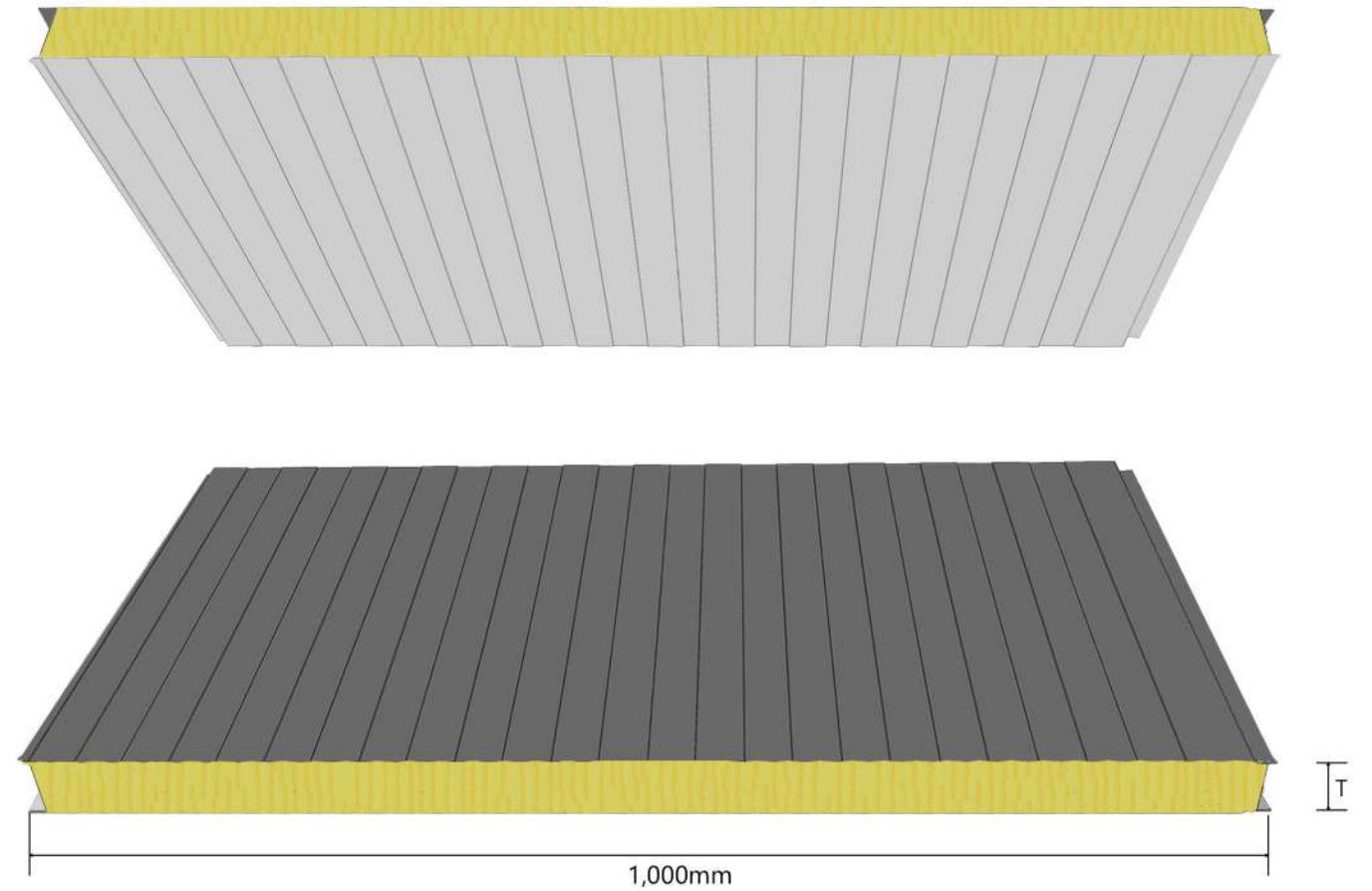


The Cases Show

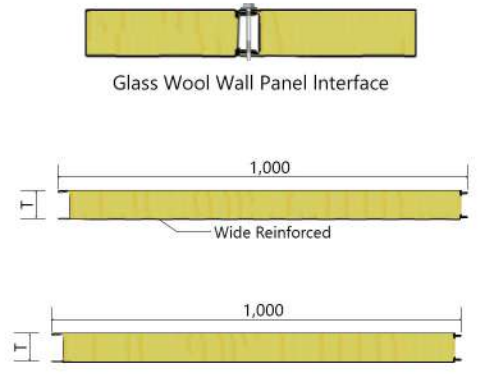
Glass Wool Wall Panel



Wide Reinforced Glass Wool Wall Panel



Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

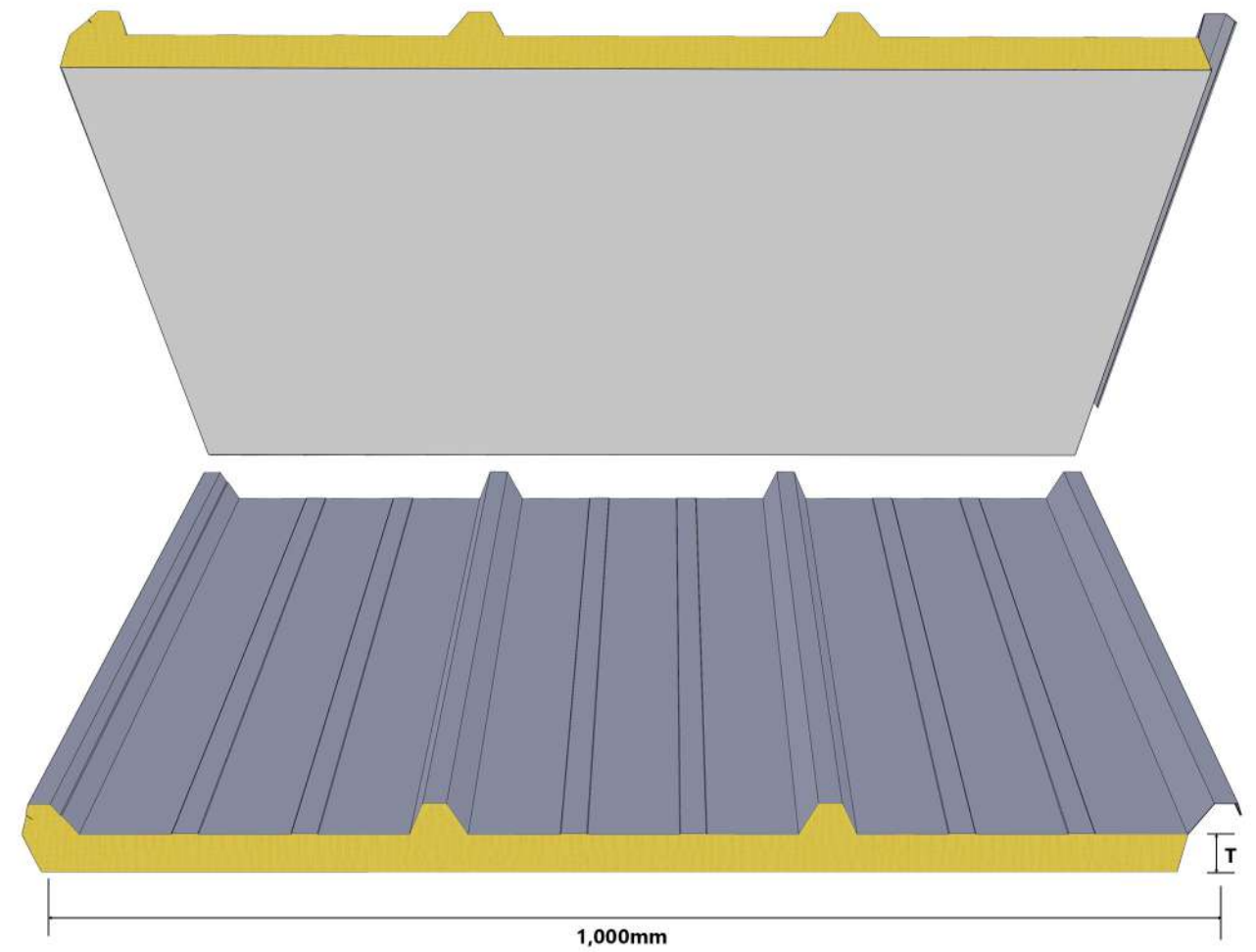


The Cases Show

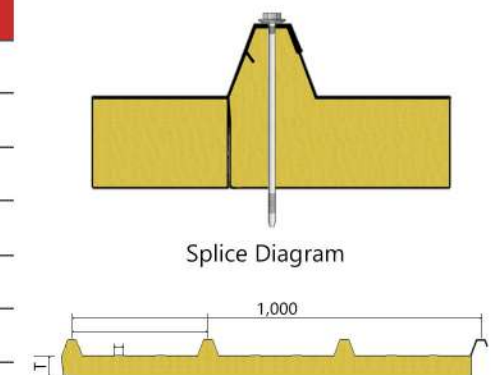
Glass Wool Roof Panel



Four Waves Glass Wool Roof Panel

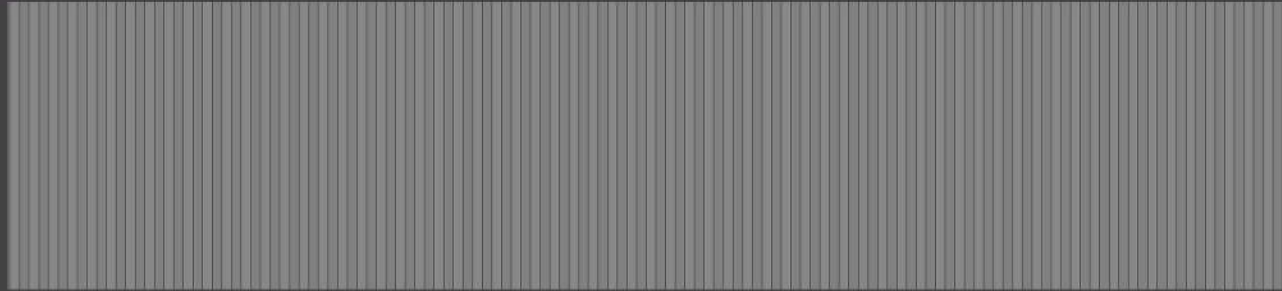


Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	60mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

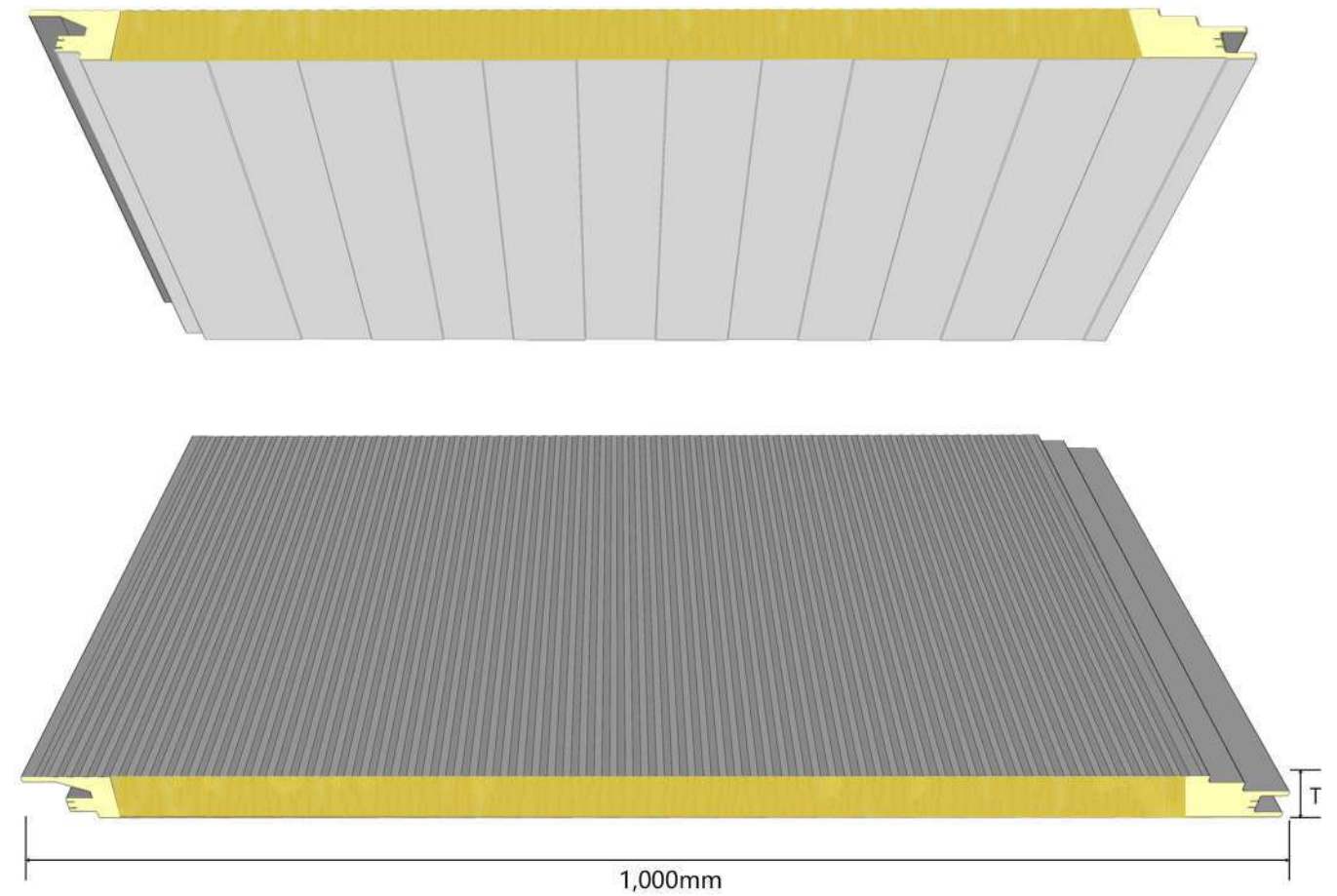


The Cases Show

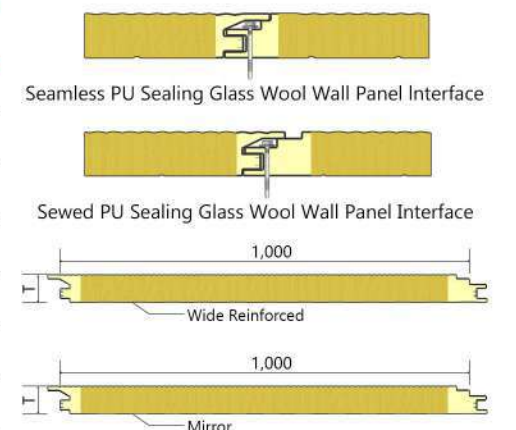
PU Sealing Glass Wool Wall Panel



Small Wave PU Sealing Glass Wool Wall Panel



Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

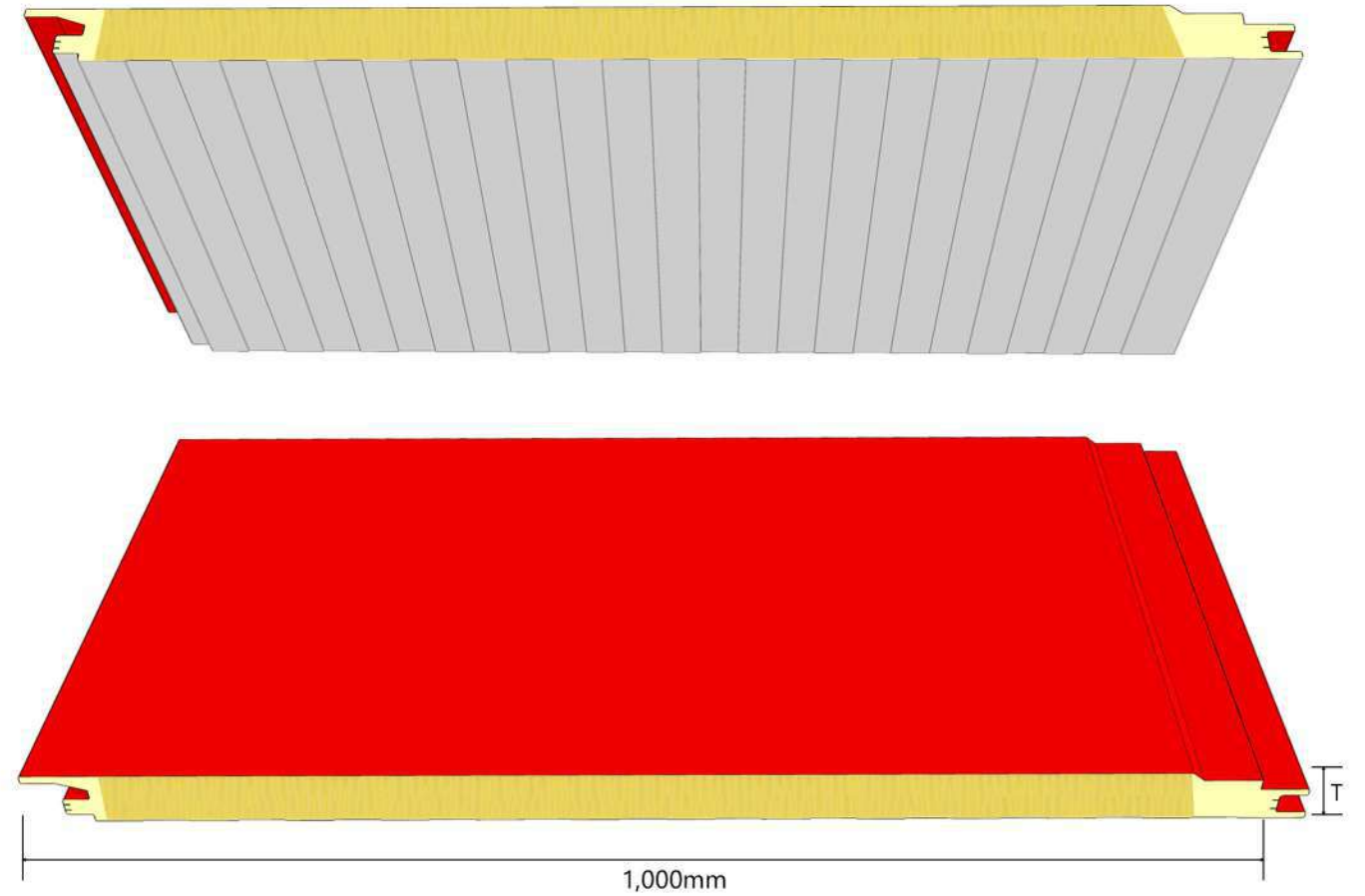


The Cases Show

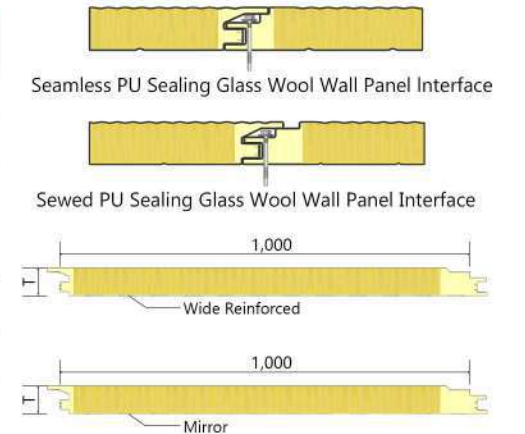
PU Sealing Glass Wool Wall Panel



Mirror PU Sealing Glass Wool Wall Panel

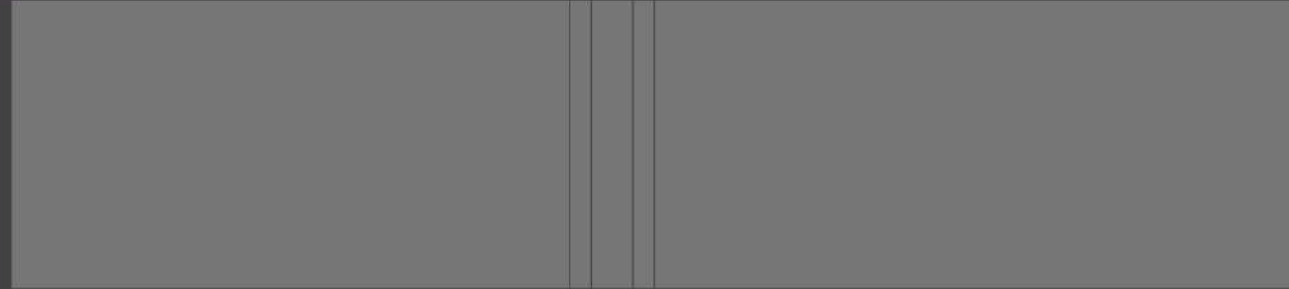


Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

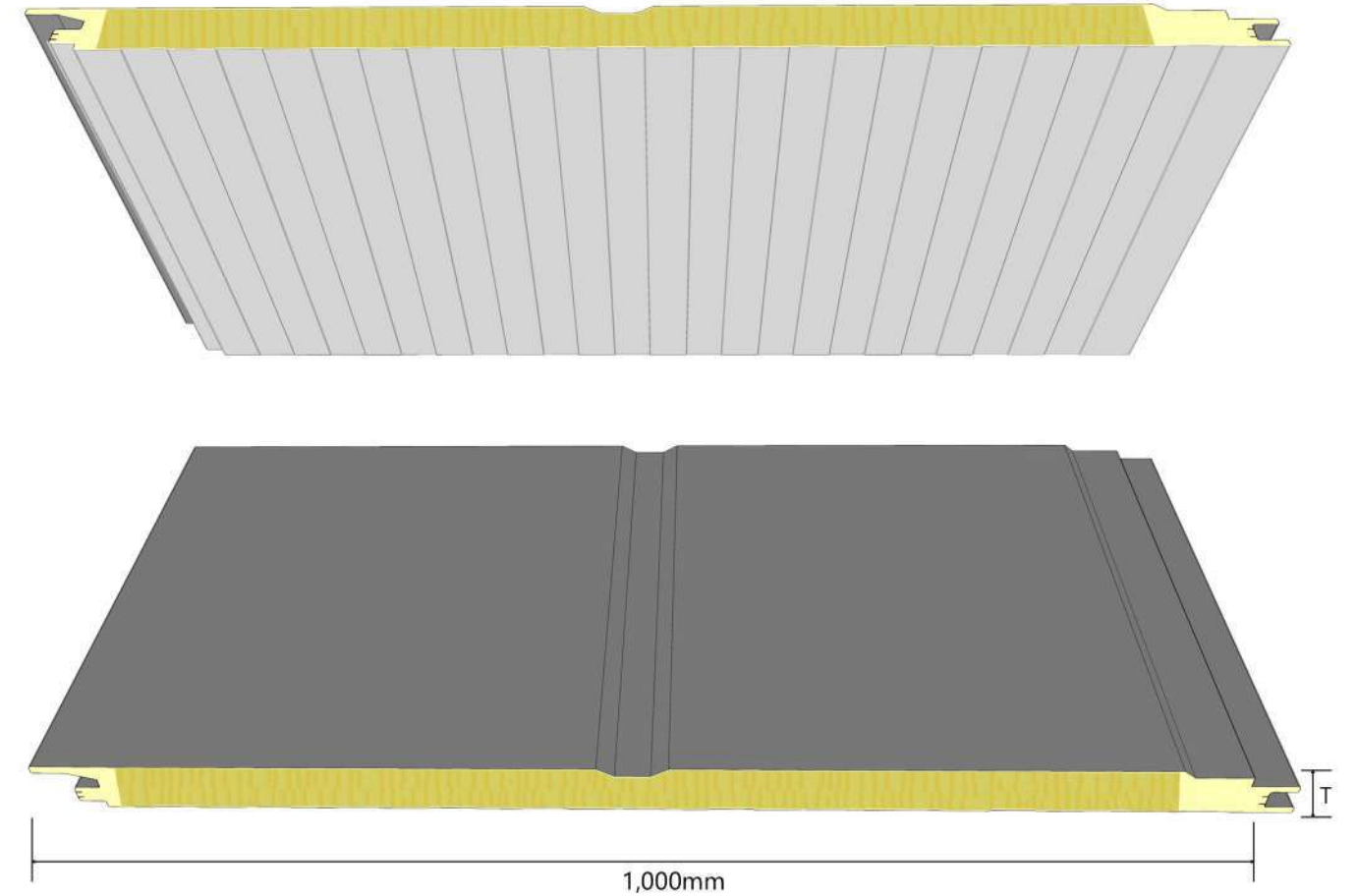


The Cases Show

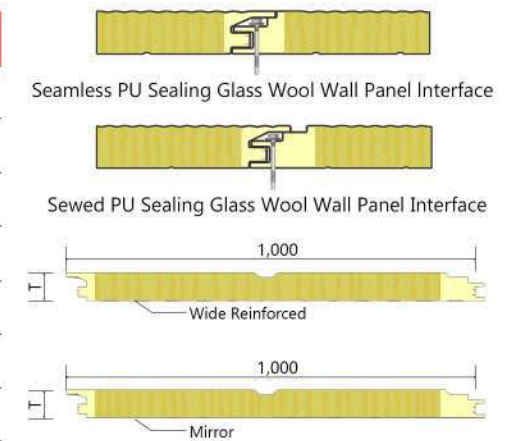
PU Sealing Glass Wool Wall Panel



Concave PU Sealing Glass Wool Wall Panel



Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

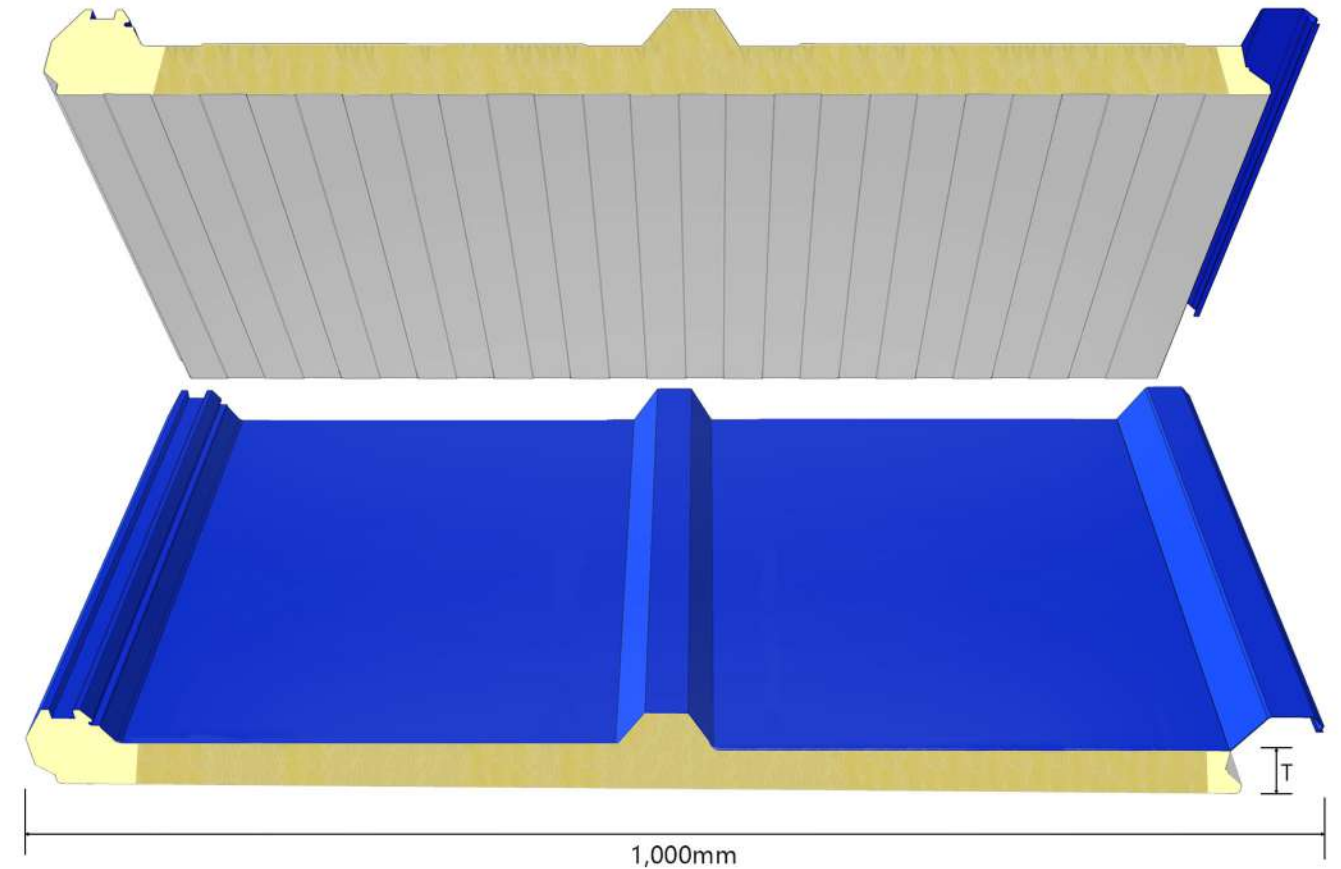


The Cases Show

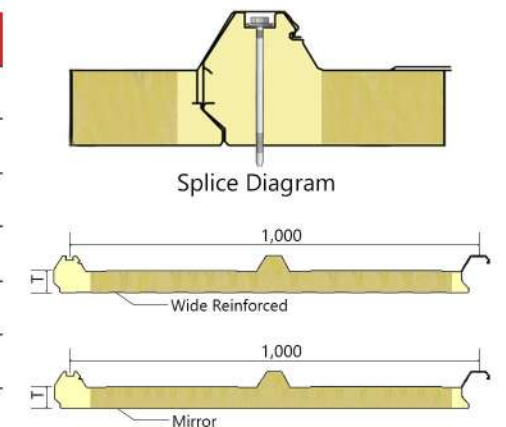
PU Sealing Glass Wool Roof Panel



Three Waves PU Sealing Glass Wool Roof Panel



Glass Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	35-64kg/m ³
The Thickness of Core Material	50mm/75mm/100mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.02

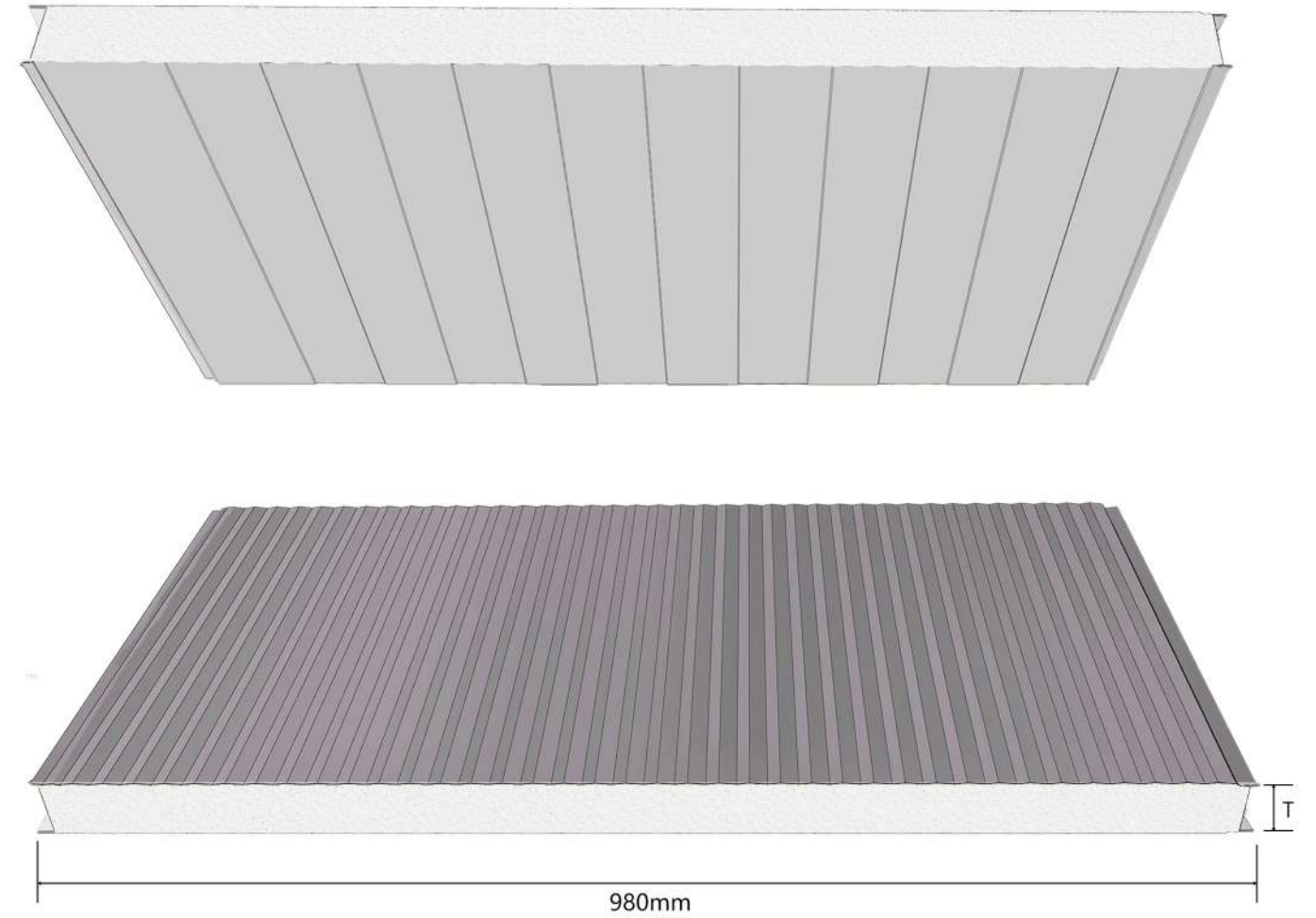


The Cases Show

EPS Sandwich Panel



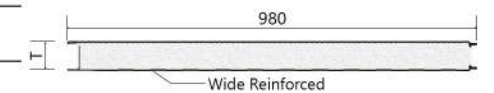
EPS Sandwich Panel



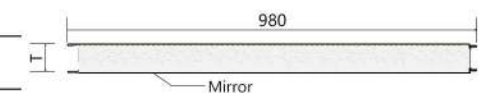
EPS Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	8-30/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.03
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.6-18



EPS Wall Panel Interface



Wide Reinforced



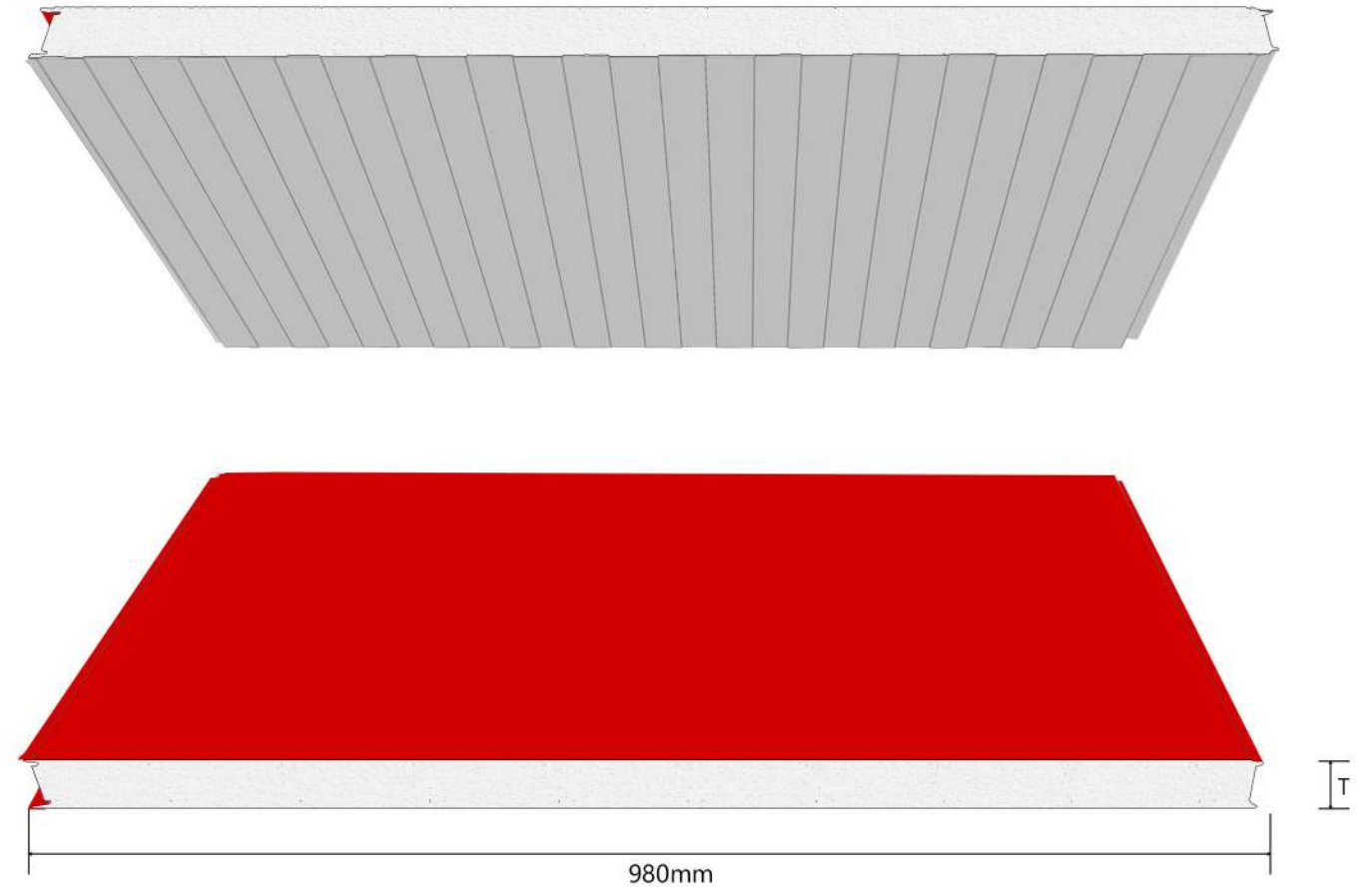
Mirror

The Cases Show

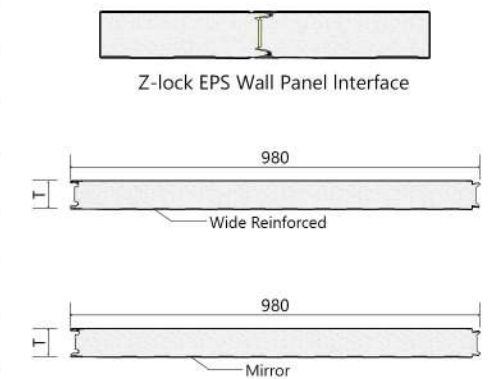
EPS Sandwich Panel



Z-lock EPS Sandwich Panel

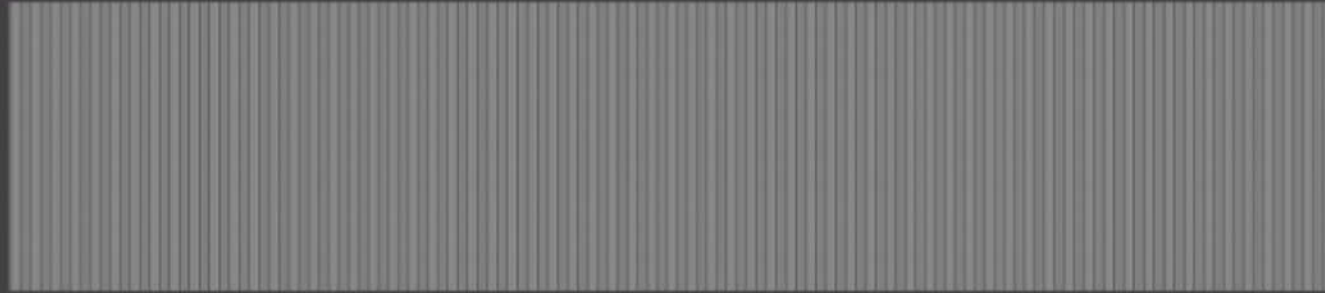


EPS Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	8-30kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.03
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.6-1.8

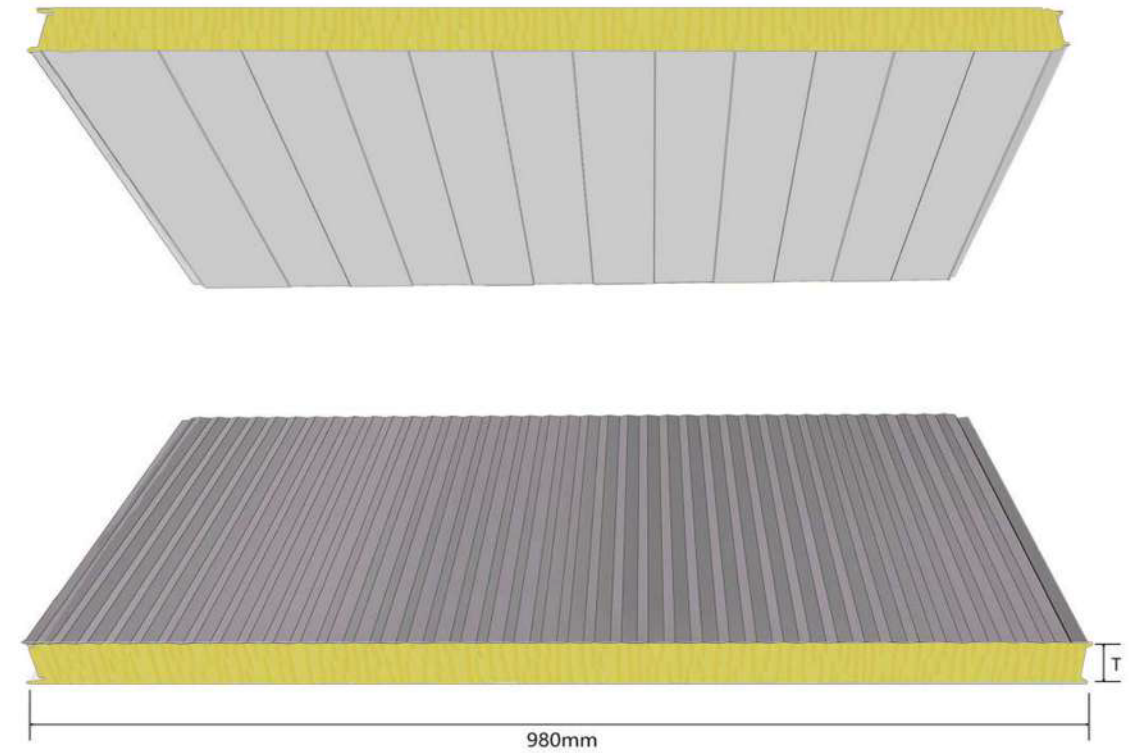


The Cases Show

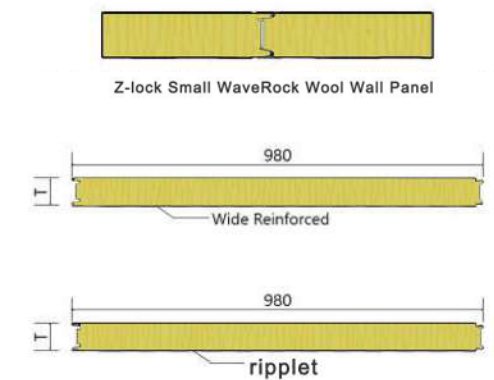
Rock Wool Wall Panel



Z-lock Small WaveRock Wool Wall Panel



Rock Wool Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	80-140kg/m ³
The Thickness of Core Material	50mm/75mm/100mm/150mm/200mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.04
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.07

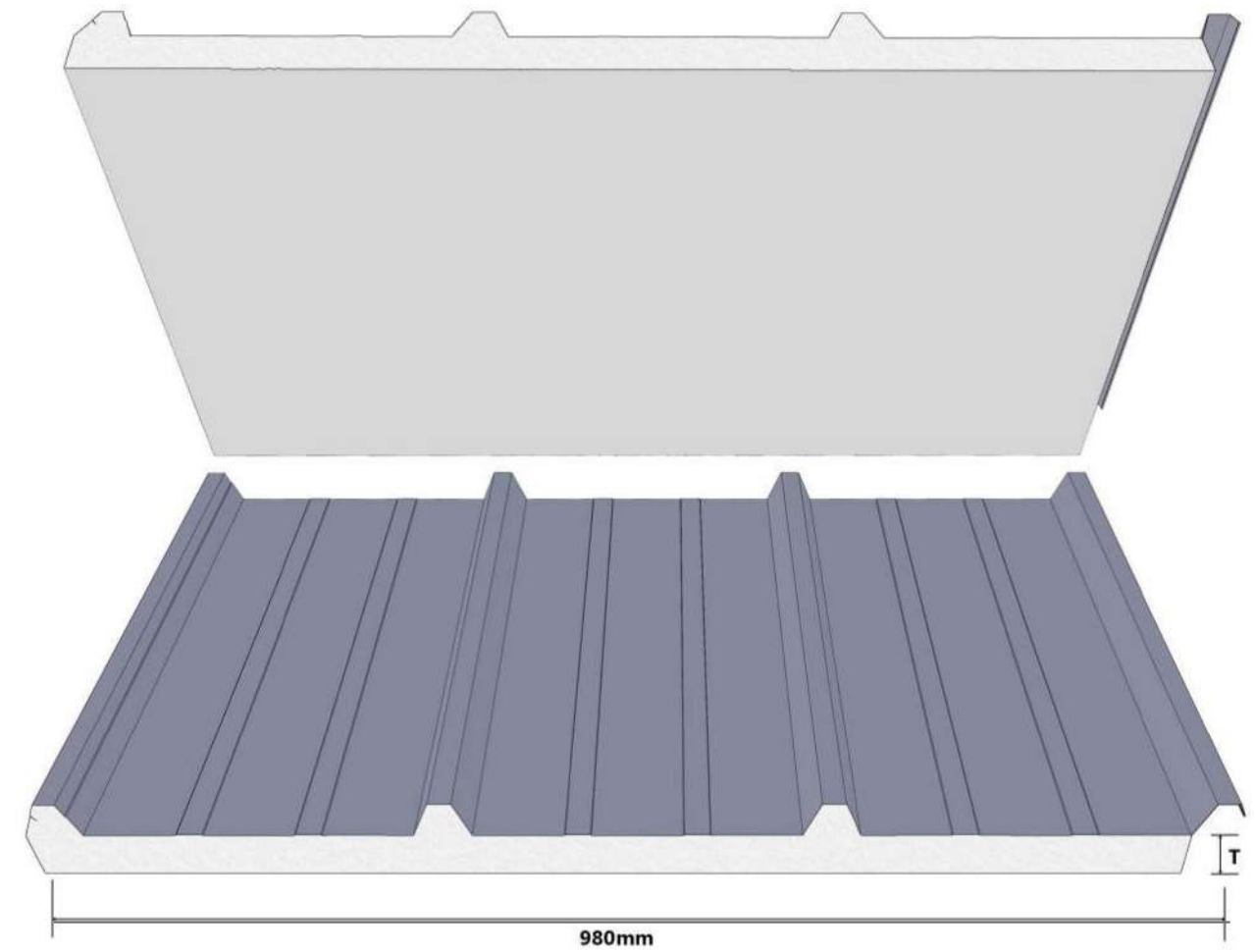


The Cases Show

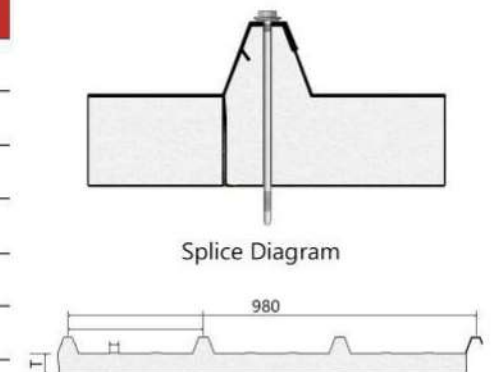
EPS Roof Panel



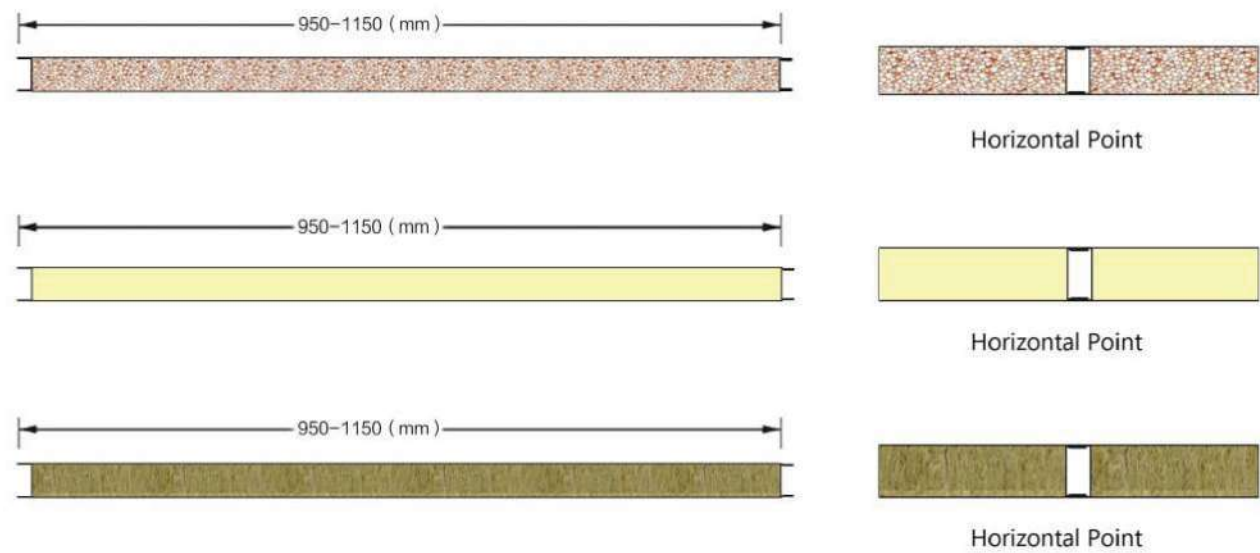
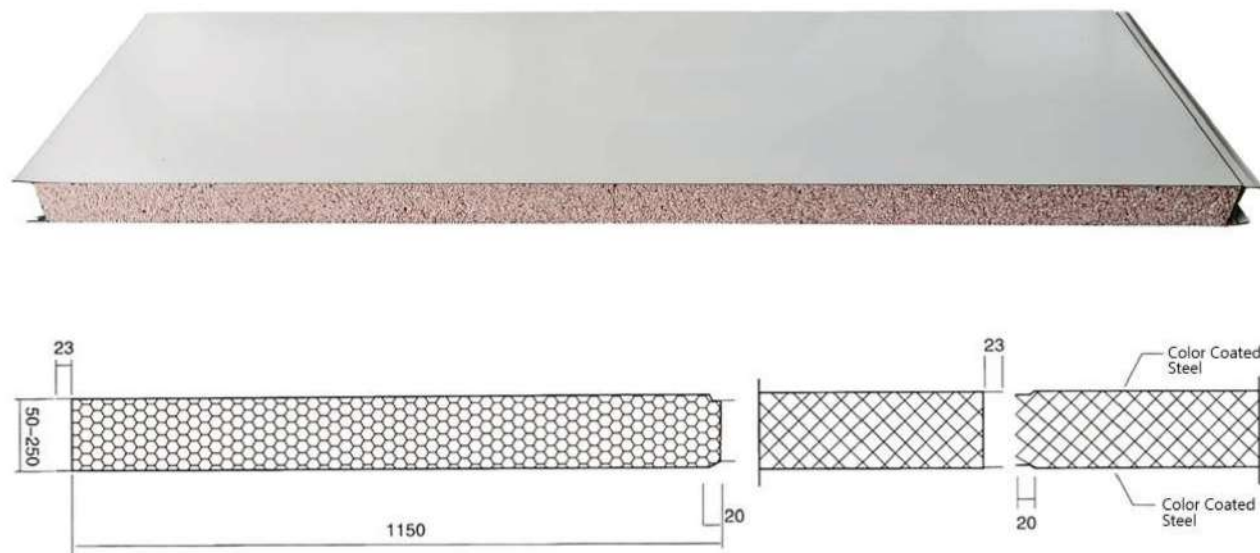
Four Waves EPS Roof Panel



PU Sandwich Panel	Parameter Description
The Thickness of Steel Sheet	0.4-0.7mm
The Density of Core Material	8-30kg/m ³
The Thickness of Core Material	50mm/75mm/100mm
Colors	Any Ral Color
Thermal Conductivity (W/m.k)	≤0.03
The Way of Installation	1, horizontal 2, vertical
Compressive strength (kg/cm ²)	1.6-1.8



BRD Panel Clean Room Panel Series

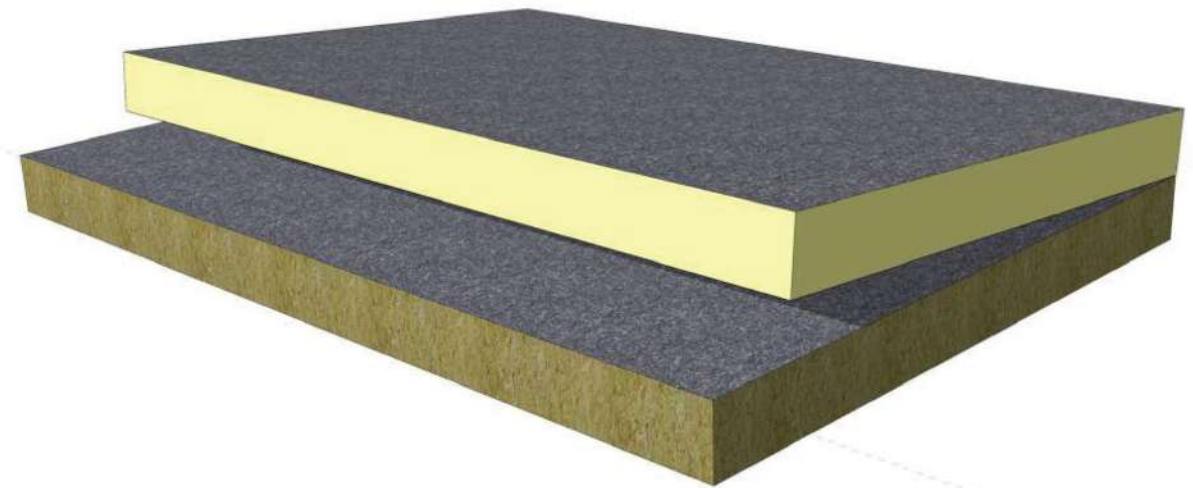


Application

- ① Cold Storage System
- ② Steel Structure Maintenance System
- ③ Purification System
- ④ Silencing System
- ⑤ Painting System

BRD Panel THE CASES SHOW

PU Foam Insulation Panel



Characteristic as follows

- The outer surface of panel has kraft paper, glass fiber cloth, aluminum foil for selection.
- In a certain range, The panel's length, width and thickness are up to the customer's requirements.
- It has no harm to environment.
- The panel has no irritate the skin and respiratory system of construction workers.
- The panel is very waterproof, which is superior to rock wool and glass wool.


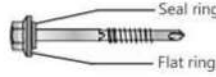

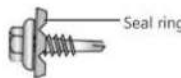






Item	Unit	Specification
Standard Panel Size	mm	3950*1200*20
Fireproof	grade	BS476 CLASS O
Alu. Foil Thickness	micron	80
Foam Density	kg/m ³	40/50
Thermal Conductivity	w/m-k	0.02-0.025
Compressing Strength	Mpa	0.2
Water Absorption	%	≤0.1
Working Temperature	°C	-150 to +120

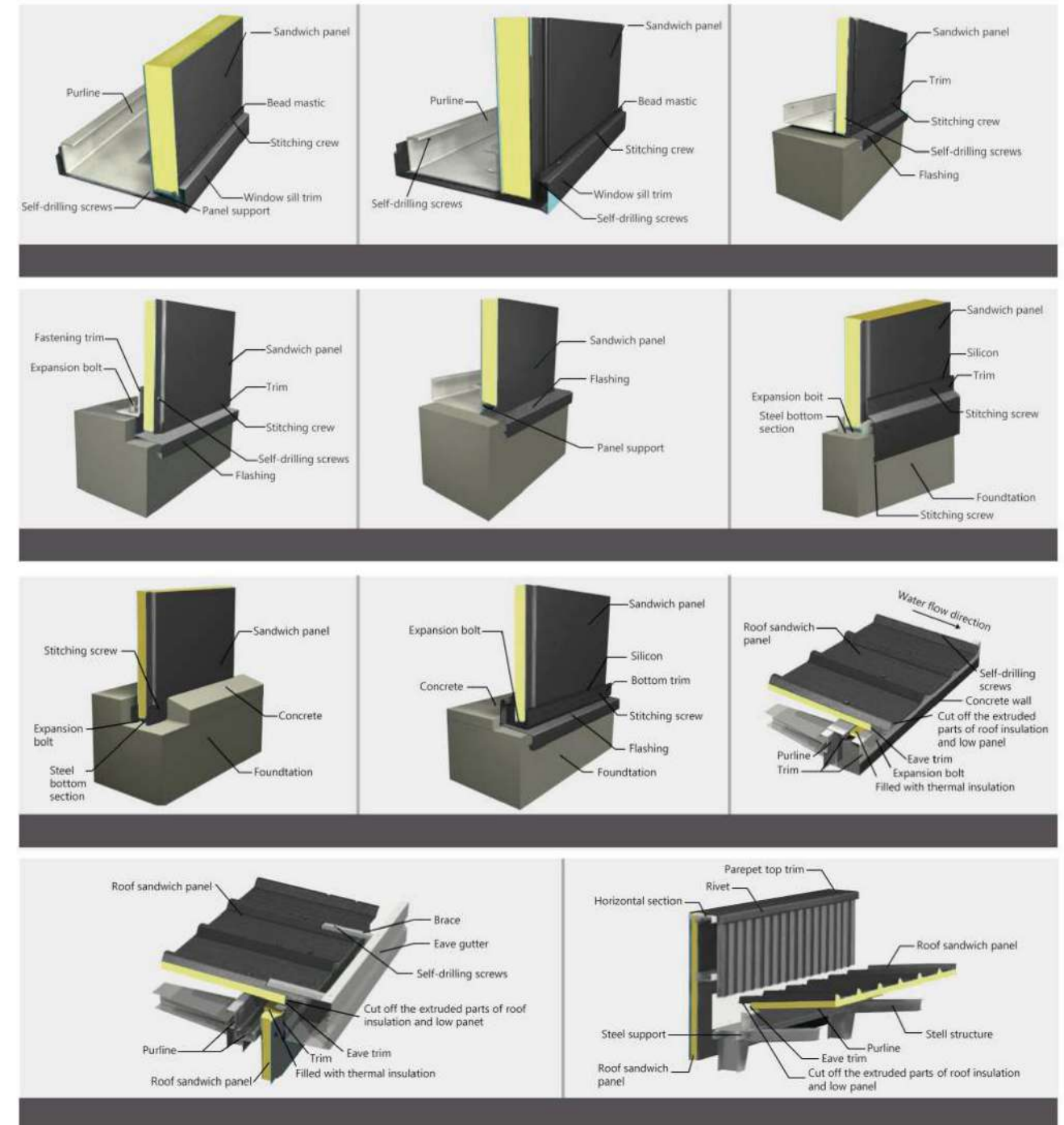


BRD Panel Attachments of Sandwich Panel



Flashing/ accessories

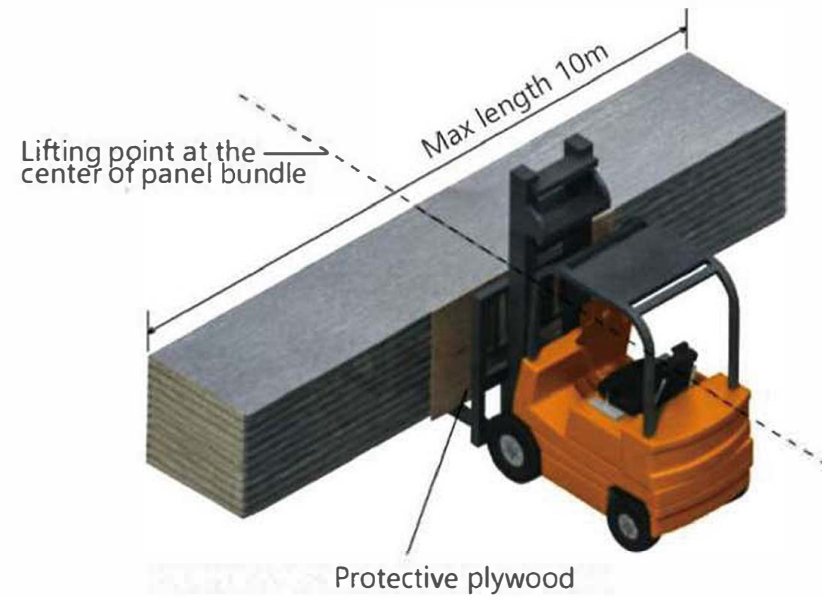
NAME	GRAPHICS	MATERIAL	SPECIFICATIONS
Top hat		Color Coated Steel	85×30
Self-tapping screw			
Waterproof rivet			
Stiching screw			
Roof backbone covering flashing		Color Coated Steel	
Internal roof backbone flashing		Color Coated Steel	
Add-on gutter brace		Color Coated Steel	
External corner flashing-11		Color Coated Steel	
Cornices flashing		Color Coated Steel	
Cornices flashing		Color Coated Steel	



BRD Panel Loading and Unloading



■ Key points of handling and stacking 10m long products.



■ When the panel length exceeding 10m, 2 forklifts needed to handle the panel. The distances between the panel center and two forklifts shall be the same.

