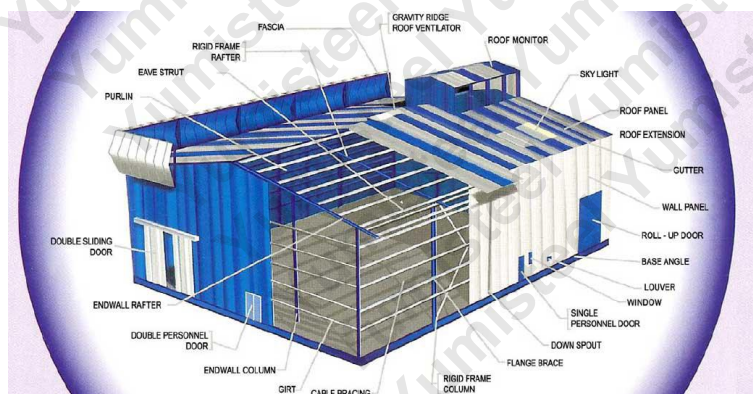


## 1. The components of EPS sandwich panels:



The main component parts of EPS steel sandwich panels are including double-sided steel sheets to ensure external surface protection and heat insulation core material. Steel sheets could be in any color to meet up customers' requirement, Yumi sandwich panels are mainly cooperating with Bao-steel, Guanzhou steel, Yieh steel brand to ensure the steel sheet quality. If you have any other steel brand requirement, we could also follow your request. EPS sandwich panels have wall and roof type, which is lightweight and economical for your budget.

## 2. EPS insulated panel application:



- 1) Prefabricated buildings/Container houses;
- 2) Supermarkets;
- 3) Defense shelters;
- 4) Industrial buildings/Warehouse/Factories;
- 5) Poultry house or Animal Farm;
- 6) Replacement for Old Roofing.

### 3. Panel Specs description:

<b>Product name:</b>	EPS sandwich panels	
<b>Steel sheet description:</b>	1,Range:0.30-0.70mm; 2,Steel band:Bao-steel/Guanzhou steel/Yeih steel,etc; 3,Top coating:20-25µm,bottom coating:7-10µm 4,Coating type:PE/PVDF/SMP,etc. 5,Steel material choice:PPGI/PPGL	
<b>EPS</b>	<b>thickness for wall:</b>	50, 75, 100, 150, 200mm
	<b>thickness for roof:</b>	75, 100, 150, 200mm
	<b>Density:</b>	8-20KG/M <sup>3</sup>
<b>Effective width:</b>	950/1150mm for wall;950/960/980mm for roof.	
<b>Regular color:</b>	White grey/Sea blue	
<b>Special color:</b>	As per RAL swatches or customized	
<b>Length:</b>	According to container size,we advise max 5800mm for 20FT container,and 11900mm for 40FT container.	
<b>Fire resistant level:</b>	B1 level,according to GB/T 23932-2009	
<b>Installation accessories:</b>	U channels,self screws,expanded bolts,etc.	

### 4. Panel guarantee period:

Our EPS sandwich panels guarantee covering the structural and thermal performance for a period of up to 15years and coating

performance for a period of up to 20years (subject to project specific information).Our coating choice:PE, PVDF, HDP, SMP coating,etc.If the weather condition in your area is special,please let us know,our engineer team will check and advise the coating type for your project.

## 5. Product tolerance:

Cut to length	±5mm
Cover width	±2mm
Thickness	±2mm
End square	±3mm

## 6. Panel joint way:

### Wall panel——Common type:

There will a little bit space during the jointed of foam wall insulated panels,but this type is with steel lattice strips,which could make the panel strength more better.At the same time,the price of this insulated panels is much more competitive.



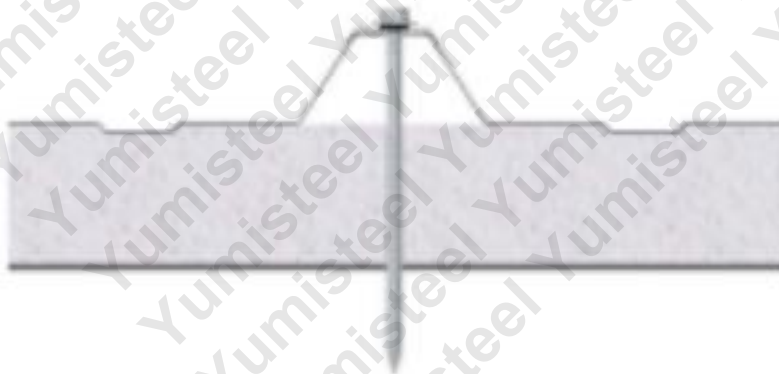
### Wall panel——Z lock type:

This joint is without space, and mostly used in Australia, so we also called Australian type.



### Roof panel——Common type:

The joint way is with screws showing on the panel surfaces.



### Roof panel——Z lock type:

The joint way is hidden screws type.



## 7. Panel technical data:

### 1) Thermal conductivity:

Panel thickness (mm)	50	75	100	150	200
Mass(kg/m <sup>2</sup> )	10.58	10.94	11.3	11.98	12.65
Thermal performance at 8°C					
"R" Value(m <sup>2</sup> K/W)	1.6	2.3	2.9	4.2	5.5
Thermal performance at 20°C					
"R" Value(m <sup>2</sup> K/W)	1.6	2.2	2.8	4.1	5.3

### 2) Span tables for roof panels:

Single Span, wind pressure acting outwards					
Span (mm)	Panel Thickness (mm)				
	50	75	100	150	200
1500	5.16	7.7	9.41	13.26	17.81
2700	2.35	3.74	4.63	6.78	9.28
3900	1.28	2.00	2.55	3.67	4.79
5100	-	1.21	1.53	1.86	2.85
6300	-	-	1.04	1.47	1.91
7500	-	-	0.76	1.07	1.38
8700	-	-	-	0.82	1.05

Multi-span, wind pressure acting outwards					
Span (mm)	Panel Thickness (mm)				
	50	75	100	150	200
1500	4.15	5.90	7.61	7.74	7.75
2700	2.07	2.91	1.00	4.35	4.35
3900	1.17	1.72	2.41	3.04	3.05
5100	-	1.11	1.58	2.35	2.36
6300	-	-	1.10	1.77	1.93
7500	-	-	-	1.31	1.64
8700	-	-	-	-	1.43

## 8. Panel packing & Loading:



All sandwich panels from Yumi, we will all use plastic film to protect the surface of sandwich panels. And this plastic film could also protect panels from shacking, during shipping. When loading, we will protect the surface won't be broken, after all panels loaded, we will also put some foam in the space between two rows of sandwich

panels to avoid strong shaking,when shipping.

If you have any special requirement about packing,please feel free to contact and discuss with us.

## **9. Panel Delivery:**

All deliveries(unless indicated otherwise) are by sea transport to customer appointed port.If some special requirement,like DDP service,please indicate the address in details,so that we will offer you exact shipping cost details.Off-loading is the responsibility of the client.If customers have any doubt of off-loading problem,please feel free to contact us for details,thank you.