

## YX18-76-836/1064 steel roofing sheets

### 1. Material description:

YX18-76-836/1064 is one traditional and classic corrugated profile,which has been used for century.It could be used as both roof or wall claddings,also the material could be customer choices,it's based on your building requirement.

Material	Thickness range	Available color	Application
AL-MG-MN alloy metal sheets	0.7 - 1.2mm	Aluminum natural color or as per customized	Wall claddings
PPGI /PPGL steel sheets	0.12 - 0.75mm	As per Ral color swatches	Roof & Wall claddings
Galvanized steel sheets	0.12 - 0.75mm	Galvanized natural color	Roof & Wall claddings

### 2. Product specification:

Model NO.	YX18-76-836/1064
Modular width	836/1064 mm
Feeding width	1000/1200 mm
Rib height	18 mm
Rib distance	76 mm
Length	20FT container: ≤ 5.95m 40FT container: ≤ 11.95m

### 3. Applications:



It could be used as roof or wall steel claddings, or fencing for commercial, residential, agricultural buildings, such as 4S Car store, logistic center, ect.

#### 4. Span table for roof claddings:

Imposed loads(kN/m <sup>2</sup> )			L/200		
Thickness	Weight	Span(m)	Single span	Double span	Multiple span
0.50mm	4.95 KG/M <sup>2</sup>	1.00	1.58	2.03	2.43
		1.10	1.17	1.74	1.95
		1.20	0.89	1.51	1.49
		1.30	0.70	1.32	1.16

		1.40	0.56	1.17	0.93
		1.50		1.04	0.75
		1.60		0.89	0.61
		1.70		0.74	0.51
		1.80		0.62	
		1.90		0.52	
0.70mm	6.47 KG/M <sup>2</sup>	1.00	2.34	3.66	3.91
		1.10	1.74	3.10	2.90
		1.20	1.33	2.66	2.22
		1.30	1.04	2.31	1.73
		1.40	0.83	1.99	1.38
		1.50	0.67	1.61	1.11
		1.60	0.55	1.32	0.91
		1.70		1.10	0.76
		1.80		0.92	0.64
		1.90		0.78	0.54
		2.00		0.67	
2.10		0.57			

**Notes:** For other thickness span data, please contact us, thank you.

### 5. Wind suction loads table:

Wind Suction Loads(kN/m <sup>2</sup> )			L/150		
Thickness	Weight	Span(m)	Single span	Double span	Multiple span
0.50mm	4.95 KG/M <sup>2</sup>	1.00	1.87	3.10	3.12
		1.10	1.41	2.56	2.34
		1.20	1.08	2.15	1.80
		1.30	0.85	1.83	1.42
		1.40	0.68	1.58	1.14
		1.50	0.55	1.33	0.92
		1.60		1.10	0.76
		1.70		0.92	0.63
		1.80		0.77	0.53
		1.90		0.66	
		2.00		0.56	
0.70mm	6.47 KG/M <sup>2</sup>	1.00	2.78	4.56	4.64

	1.10	2.09	3.77	3.49
	1.20	1.61	3.17	2.68
	1.30	1.27	2.70	2.11
	1.40	1.01	2.33	1.69
	1.50	0.82	1.99	1.37
	1.60	0.68	1.64	1.13
	1.70	0.57	1.36	0.94
	1.80		1.15	0.80
	1.90		0.98	0.68
	2.00		0.84	0.58
	2.10		0.72	0.50
	2.20		0.63	
	2.30		0.55	

**Notes:** For other thickness data, please contact us, thank you.

## 6. Installation positions:

1) Roof claddings:

**Internal supporting:**



**End Supports and End Laps:**



2) Wall claddings:

**Internal supporting:**



## End Supports and End Laps:



## 7. Handling & Cutting notes:

- 1) To make sure about safety, please require workers to wear gloves, when handling corrugated steel sheets;
- 2) Please ensure peoples' hands or gloves are clean, when it need to mark on zinc/al steel sheets;
- 3) A coloured pencil is needed,which is for marking mark on steel sheets.Because lead or black pencils are containing graphite,which will lead to rusting quickly;
- 4) Color coated steel sheets are best cut using tin snips. But for the long sheets, it is necessary to use a power saw with a steel cutting blade or a power nibbler;
- 5) Please avoid using abrasive discs,since they may cause glitch on edges and damage on coating;
- 6) Please clean off any swarf and metal filings progressively,during the installation.

## 8.How to choose the suitable steel sheets for your bulidings:

### 1) Considering your environment:

You need to consider where you will use the steel claddings and

choose the correct coating type for your bulidings.We have PE, PVDF, SMP, HDP coating type for your choice.

**For PE coating:** It's suitable for common climate urban and rural areas,lifetime could be 8-10 years;

**For PVDF coating:** It's suitable for coastal or industrial environments,where the climate is with high moisture and temperature,or rainy area,the life span is around 20-25 years;

**For SMP coating:** It's improved PE coating,It has better resistance to sunlight and chalking. It is denatured by Silicone resin with excellent color retention and heat resistance. The denaturation ratio of PE can be between 5% and 50%. SMP provides better durability for steel plates. Its corrosion protection period can be as long as 10-12 years;

**For HDP coating:** It's suitable for area,where is with high temperature.The high weathering polyester resin is synthesized by using a monomer containing a cyclohexane structure to achieve the flexibility, weather resistance and cost balance of the resin, and the aromatic-free polyol and polybasic acid are used to reduce the absorption of UV light by the resin. To achieve high weather resistance of the coating. UV coatings and hindered amines (HALS) are added to the coating formulation to improve the weather resistance of the film. High weathering polyester coil coatings have

been recognized in the market abroad, and the cost performance of the coatings is very prominent. The life span is around 15-20 years.

## 2) Other choices:

In very severe conditions and environment, you could choose steel sheets in stainless steel or aluminum sheets, which will be much more better.

## 9. Frequently Asked Questions

### ● How do I get help?

Please directly send inquiry by this web page or contact us by phone NO. +86-13559086380 or by e-mail [admin@yumisteel.com](mailto:admin@yumisteel.com) .

### ● Could I get related technical support for my buildings?

Yes, of course. After we received your inquiry, our salesman will follow up your request and our engineer team is here for supporting your project.

### ● Do you have other kinds of steel claddings?

Please contact us for catalog or check our website for more models choices.