

China Light Weight Fiber Glass Reinforced Polymer GRP FRP Rafter For Chemical Industry Building

A. FRP Roof Purlin / Rafter Introduction

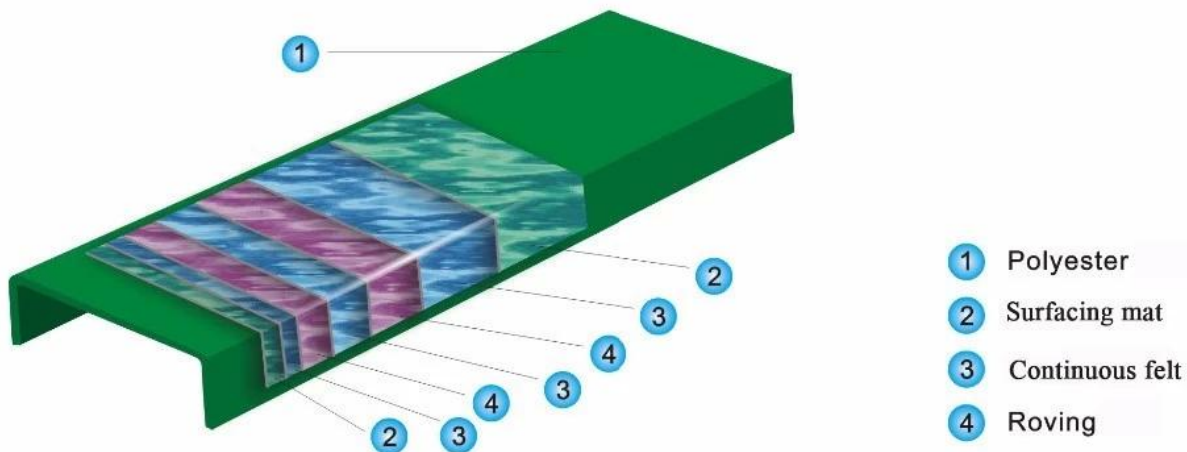
FRP Roof Purlin made from Fiberglass reinforced Plastic by pultruded processing.

Most competitive characters of our FRP purlin / Rafter:

- A. The axial strength of our FRP purlin is 290Mpa which has reached the strength of steel.
- B. With excellent anti-corrosion and anti-aging performance, no other materials can replace it under the same "performance-price ratio ".
- C. We promise 15 years warranty

FRP Purlin is most valuable innovation in recent years. As a leading company in China composite industry, Fore core competitive advantages are technologically innovative capability, product customization to suit market demands, and the industrialization of technological products. Fore owns a reputation as "A Chinese Manufacturer which own European Technological Level" awarded by foreign engineer in this filed.

Structure chart



B. FRP Roof Purlin / Rafter Features



Carrying capacity



Flame retardant



Not Conduct Electricity



Corrosion Resistance

• Light Weight - Less Density - 20% Of Steel; 70% Of Aluminum Values

- High Corrosion Resistance
- Variety Of Colors For Choice
- Wide Temperature Range Use

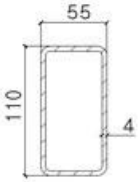
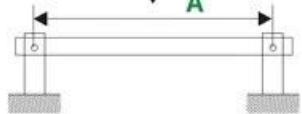
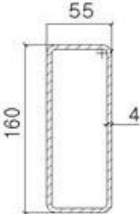


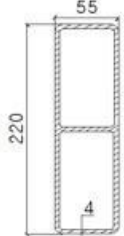

• High Strength And Insulating

- UV Resistant Inhibited
- Superior Dimensional Stability
- Consistent Cross Section

- Excellent Structural Properties
- Non-Conductive Thermally And Electrically
- Non-Magnetic Electromagnetic Installation

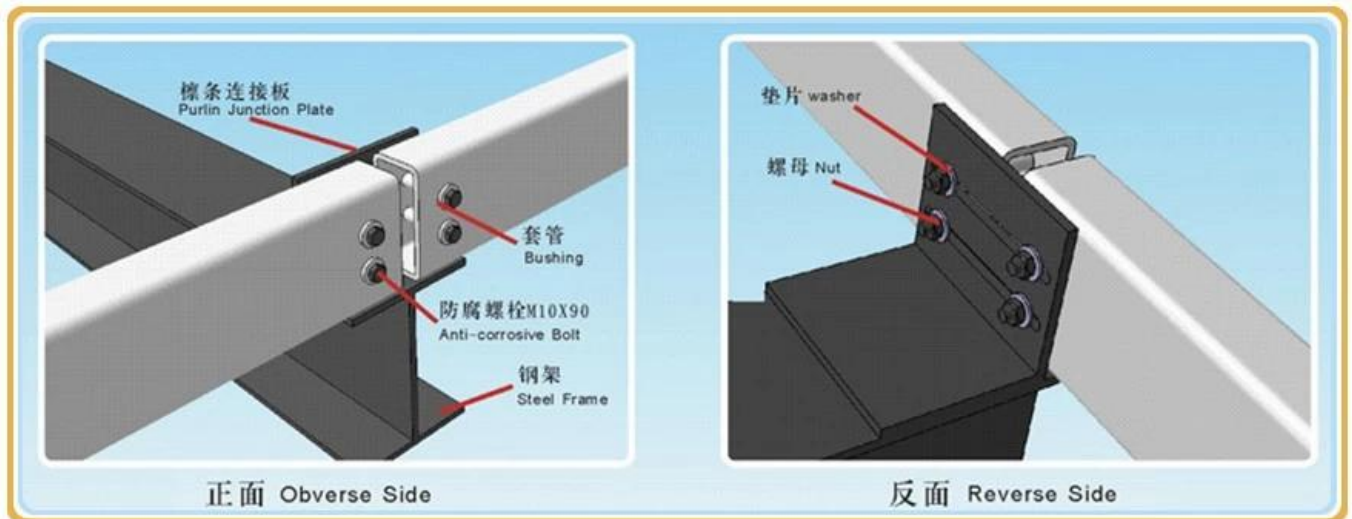
- Environmentally Safe
- Dimensional Stability
- Ease Of Fabrication &

C. FRP Roof Purlin / Rafter Specifications & Technical Data

Specifications	Loading	Deflection			Load Analysis Diagram (A=Purlin Length)
		P110 A: 5M	P160 A: 6M	P220 A: 9M	
P110 	60kg	30mm	27mm	25mm	One point (60kg) 
P160 	125kg	39mm	48mm	28mm	Two points(125kg) 
	195kg	60mm	75mm	40mm	Three points(195kg) 
P220 	620kg	275mm	223mm	190mm	Equispaced nine points(620kg) 

Foreth have tested repeatedly and seriously to verify the data above, but which is not our guarantee of the specific application of FRP purlin. All technical datas should base on the specific requirement and condition.

D. Installation of FRP Roof Purlin / Rafter



1. Drill the purlin for installing bushings
2. Install the bushings(which provide by FORE)
3. Use anti-corrosive bolt, the junction plate, washer and nut to fasten FRP Purlin

E. Other FRP Profiles

FRP Profiles Types			
FRP Rod	FRP Strip	FRP Round Pipe	FRP Square Tube
FRP L Angle	FRP C Channel	FRP I/H Beam	FRP Customized Profiles

F. Package & Delivery

Package	Delivery
<ol style="list-style-type: none"> 1.Packed on plywood pallet 2.Packed in plywood case 3.Load in container directly 	<ol style="list-style-type: none"> 1. Samples: 2-3 dyas 2. Mass production: 7-15 working days after receive payment 3. Delivery terms: EXW, FOB. CIF, DDP all can be accepted



G. FRP Profiles Applications

- **Electrical fields:** cable bridge, ladder, stents, insulation ladder, the transformer block bar, the motor wedge, lampposts, the third rail circuit board, fiber optic cable core materials.
- **Chemical & anti-corrosion areas:** FRP sucker rod, cooling tower support, offshore oil production equipment channels,

walking grille, staircase handrails and stents, chemical corrosion environment of the structural support.

- **Entertainment areas:** fishing rods, rods, umbrellas skeleton, flagpoles, lampposts, railings, handrails, stairs, radio antennas, marinas and so on.

- **Public transport areas:** barriers on both sides of the highway barrier, road signs, pedestrian bridge, sound insulation walls refrigerated trucks and other components.

- **Agricultural areas:** livestock rings, poultry houses with wall fence, greenhouse structure, support components, rattan shed, water trough etc.



H. Factory Profiles

Foreth Industrial Co., Ltd is a fast-developing enterprise which is mainly specialized in FRP(fiber reinforced plastic) products, and operates in a global marketplace. Foreth team supply clients with FRP sheets, FRP sandwich panels FRP gratings, composite manhole covers,FRP profiles, FRP roofing sheets etc,with a wide range of applications across the construction,marine,off highway,rail,water treatment and engineering industries.

Additionally, we have rich experience in exporting and supplying high quality products and excellent service.

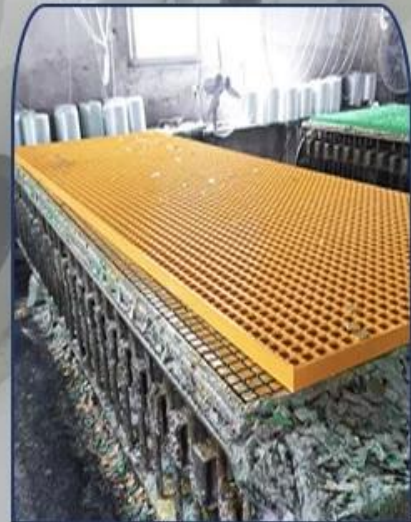
Feel free to contact us if any query you may have and we will be happy to assist you.We hope to be your reliable supplier & stable partner by establishing long time as well as joyful business relationship with your esteemed company!

WHY CHOOSE US



Foreth Industrial Co., Ltd. is a rapid development of enterprises, mainly Specializing in glass fiber reinforced plastic (fiber reinforced plastic) products and in global market. We have been in the glass fiber reinforced plastic industry for 15 years.

[**More**](#)



G. Mold list of our FRP Profiles

 [FRP Rod.pdf](#)

 [FRP Strip.pdf](#)

 [FRP Round Pipe.pdf](#)

 [FRP Rectangular Tube.pdf](#)

 [FRP Angle.pdf](#)

 [FRP Channel.pdf](#)

 [FRP H Beam.pdf](#)

 [FRP Customized Profiles.pdf](#)