



RAJ ROOFING COMPANY



*We believe in  
relation and act too.*



## RAJ ROOFING COMPANY

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## About Us

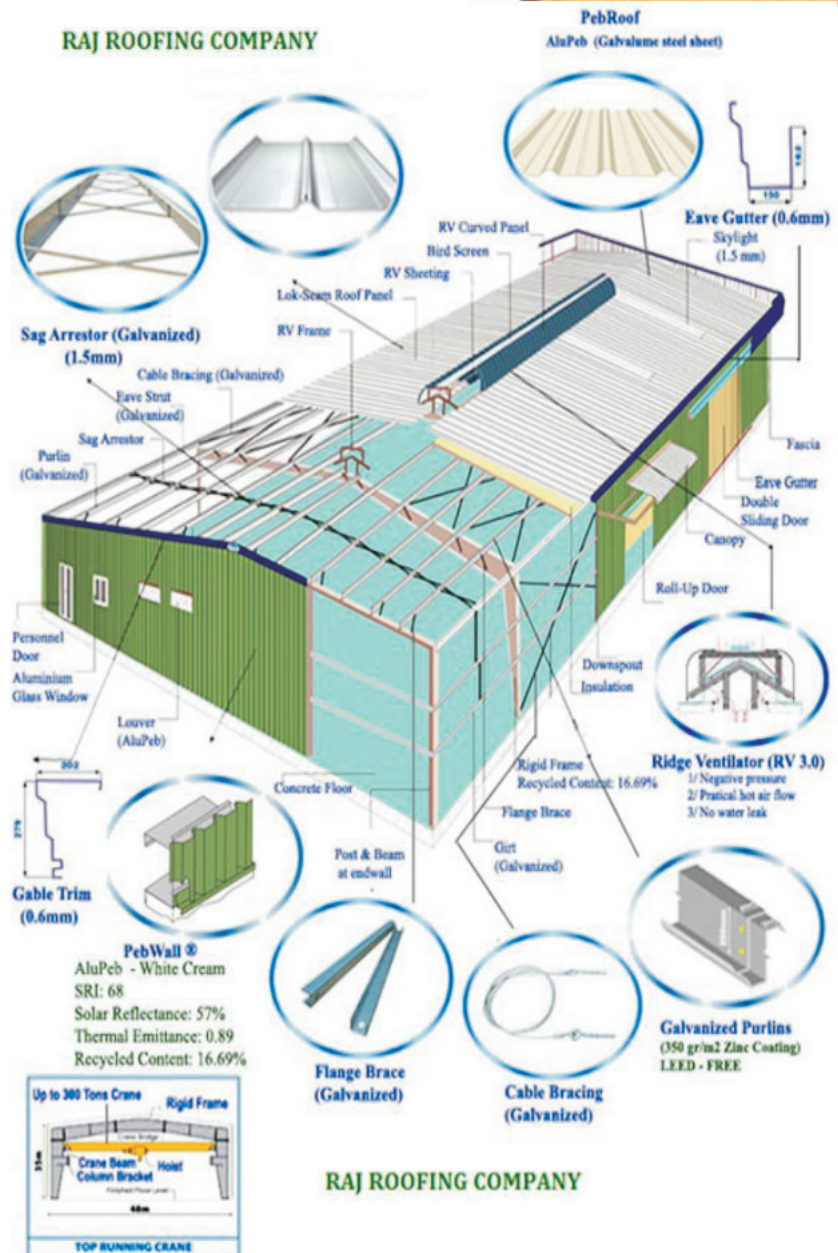
**Raj Roofing Company** is a professionally-managed Manufacturer and Supplier of C & Z Purlins, FRP Sheets, Colour Coated Roofing Sheets, Polycarbonate Sheets, Pre Engineered Building, Roofing Accessories and Turbo Air Ventilator. The foundation stone of the company was laid in the year 2007. The company is flourishing under the expert guidance of Mr. Raj Pandit, the M.D. of the company. He is well-qualified with a B.Sc. Degree to his credit. We cater to countrywide clients from our office in Indore, Madhya Pradesh. We also provide services in Structural Steel Fabrication and Sheet Erection Service.

### Our mission -

As a structural engineering firm our mission is to provide a high level of services to our clients and to establish ourselves as a quality services provider through continual improvement in performance, meeting customers expectations and strive for developing value added options from side stream by our services.

### Our future -

As Raj Roofing Company matures, we continue to expand our market and services throughout the india and overseas. It is our belief that our staff will continue to develop as professional and as members our engineering family focused on being an integral part of the expansion and development of company. We look forward to the future with great excitement and anticipation.





## Our Services -

**Peb Design** - We provide faster estimation & optimized design for pre-engineered building & conventional steel buildings (e.g. warehouses, sheds, industrial buildings, cold storage buildings, etc.) by using latest software's in accordance with various buildings codes.

*We provide detailing and drafting services for pre-engineered buildings & structural steel buildings which contain all kind of buildings, erection drawings, bill of material etc.*



**RCC Design** - We provide design of reinforced cement concrete structures in accordance with various building codes.



**Connection design** - We offer structural steel connection design services to contractors and fabricators.



**Structure erection**

## Erection of PEB Structure

Erection of the PEB can be completed in within very less time because all the components are pre fabricated in the factory and are engineered for onsite assembly. These components are also pre marked for easy identification and to accelerate the erection and reduce the installation time of the whole building

### Steps of Designs

1. Wind load calculation
2. Purlin design
3. Girt design
4. Design of Main Frame
5. Base plate
6. Anchor bolt design for moment condition
7. Anchor bolt design for shear condition
8. Gable column design
9. Design of connection plate
10. Cranes design

### Erection System

Understanding a engineering documents

1. Anchor bolt setting plan
2. Cross section
3. Roof framing plan
4. Roof sheeting and framing
5. Sidewall sheeting and framing
6. Other drawings
7. Bill of material



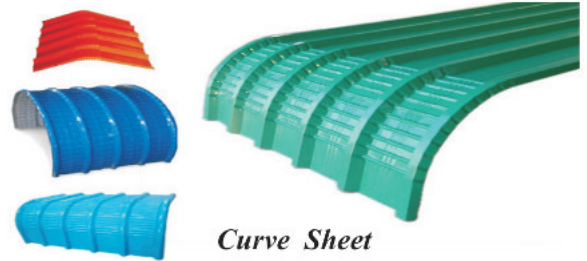
**Roofing erection**

## Profile Sheet

**Color Coated G.I. profile Roofing Sheet** - We have **G.I. Roofing Sheet** with best offer prices in different colors. Galvanised steel is corrosion resistant, eco-friendly, durable, light weight and high in strength. During the process of galvanising, zinc reacts with steel and forms zinc-iron alloy layers. These layers are bonded metallurgically to the base steel, with the relatively pure zinc layer on the outer surface to act as a protective coat. It creates an impervious barrier on the steel, thus preventing it from coming in contact with moisture and preventing corrosion.

**Specifications** - Thickness - 0.50 mm

**Color** - All Colors Available



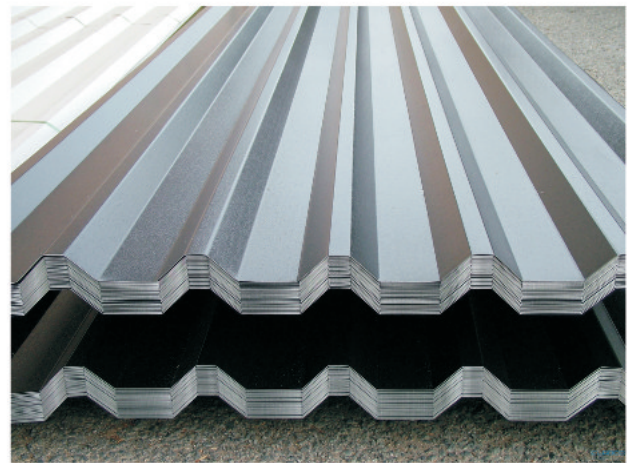
*Curve Sheet*

**Bare Galvalume Profile Roofing sheet** - We have Bare Galvalume Profile Roofing sheet.

The alloy coated product nominally contains 55% aluminum, 43.5% zinc and 1.5% silicon by weight. Applied by the traditional hot-dipping process, the product is ideal for applications that require superior corrosion resistance and heat reflectivity. GALVALUME is typically required for building construction, appliances, agricultural equipment and several non-exposed automotive components

**Specifications** - Thickness - 0.47 mm

**Color** - Self Silver



**Tile Profile GI/GL Sheet** - We have Tile Profile GI/GL Sheet in different colors. Galvanised steel is corrosion resistant, eco-friendly, durable, light weight and high in strength. During the process of galvanising, zinc reacts with steel and forms zinc-iron alloy layers. These layers are bonded metallurgically to the base steel, with the relatively pure zinc layer on the outer surface to act as a protective coat. It creates an impervious barrier on the steel, thus preventing it from coming in contact with moisture and preventing corrosion.

**Specifications** - Thickness - 0.5 mm

**Color** - All Colors Available



**Window Lower** - We have window lower with best offer prices. We offer window lower for 3 mtr length only. it is used for getting freshness air, no effect of rain and Minimum natural light.



## Ventilator

**Turbo Air Ventilator** - We are engaged in offering Turbo Air Ventilator. Our Turbo Air Ventilator is manufactured from high-grade material and technological advanced machinery and equipment. The Turbo Air Ventilators provided by us are high on demand in the national market. These Turbo Air Ventilators can be availed at market leading prices from us.

**Principle :** The Turbo Air Ventilator utilizes wind energy to induce airflow by centrifugal action. Centrifugal force created by rotating vanes in turn creates low-pressure zone, which draws fresh air from outside. Thus, continuously replacing polluted air or hot air. Minimum wind pressure will spin Turbo Air Ventilator and even after wind has stopped, the flywheel effect of ventilator will use its stored energy to rotate and maintain fresh airflow.

### Applications:

- Roof Turbine Air Ventilators for Industrial Sheds
- Rooftop Turbine Ventilators for Factories
- Turbo Turbine Air Ventilators for Hospitals
- Turbine Air Ventilators for Hotels
- Turbine Roof Ventilators for Ware Houses
- Roof Top Wind Ventilators for Domestic Use

### Benefits:

- 24 hours assured ventilation
- Provide sun light in day time
- Rain water proof
- Birds proof
- No Operating Cost
- Weather proof
- Dust proof
- Zero running power cost

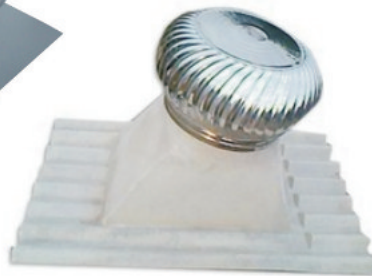
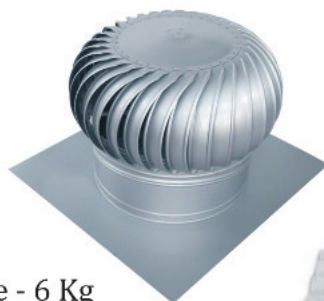
### Need For Ventilation:

The air, which is trapped accumulates heat, and gets contaminated with toxic fumes, particles and doors. It also gets saturated with water vapor and is depleted of oxygen causing stuffiness, thus causing deterioration in quality of materials that are manufactured and stored.

Moreover, it causes lower productivity, restlessness, and other undesired effects. Smoke and fumes from fire choke inhabitants and cause the fire to spread.

### Specification -

- Thickness of Al
- Blades - 0.5 mm
- Top Plate - 1 mm
- Diameter - 24"
- Weight of Base plate - 6 Kg
- Weight of Fan - 5 Kg
- Thickness of base plate - 1.8 to 2 mm



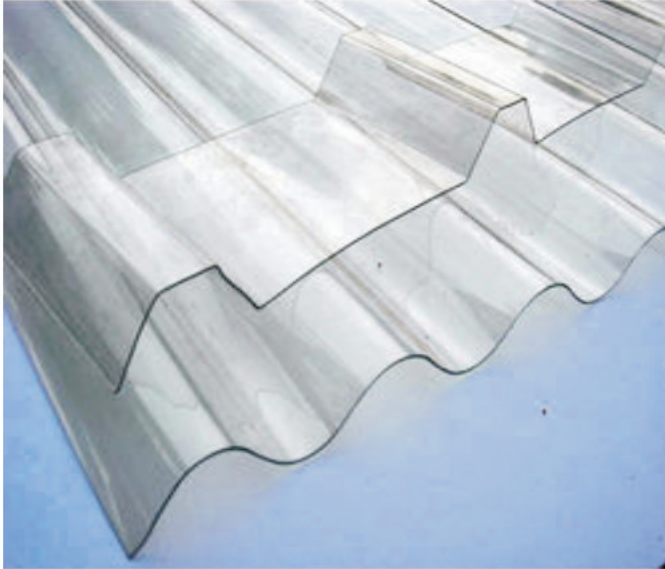
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## Polycarbonate Sheet

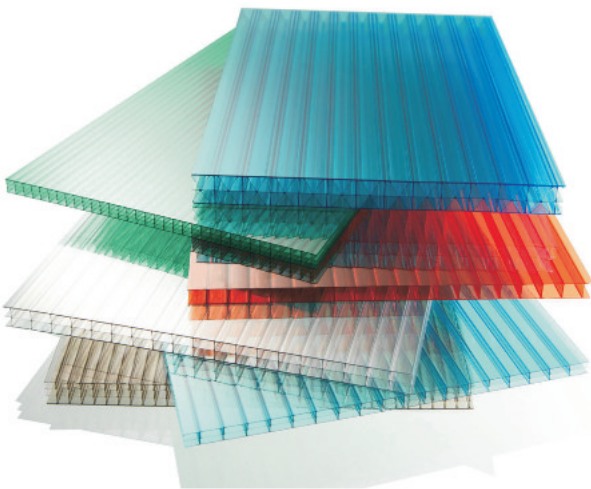
**Polycarbonate Sheets** – We offer a wide range of machine made Poly carbonate sheets with best offer prices. Polycarbonate sheets such as –



**Profile PC sheet** – We have profile poly carbonate sheet with best offer prices in different thicknesses and colors.

**Specifications**– Thickness– 1.2 mm, 1.5 mm, 2 mm

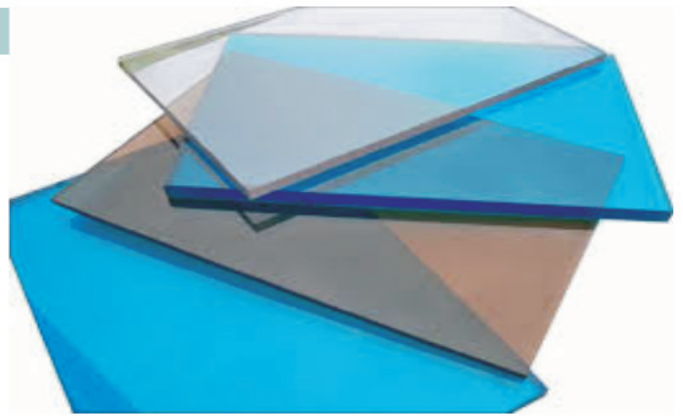
**Color** – All Colors Available



**Multi Wall Sheet** - We have Multi wall poly carbonate sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 4 mm, 6 mm, 8 mm, 10 mm, 12 mm

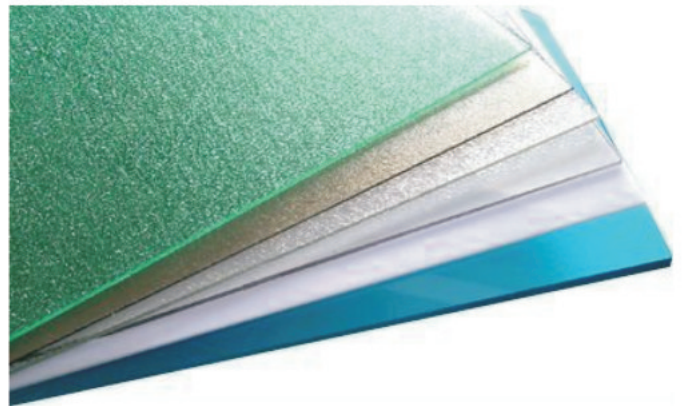
**Color** - All Colors Available



**Solid PC Sheet** - We have solid poly carbonate sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 1 to 10 mm

**Color** - All Colors Available



**Embossed PC Sheet** - We have embossed poly carbonate sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 1.2mm, 1.5 mm, 2 mm

**Color** - All Colors Available



**Panel PC Sheet** - We have panel sheet poly carbonate sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 6 mm, 8 mm, 10 mm

**Color** - All Colors Available



## FRP Sheet

**FRP Roofing Sheet** - We offer a wide range of machine made FRP products. Our range finds extensive application in areas like transportation, construction, agricultural, industrial and many others.

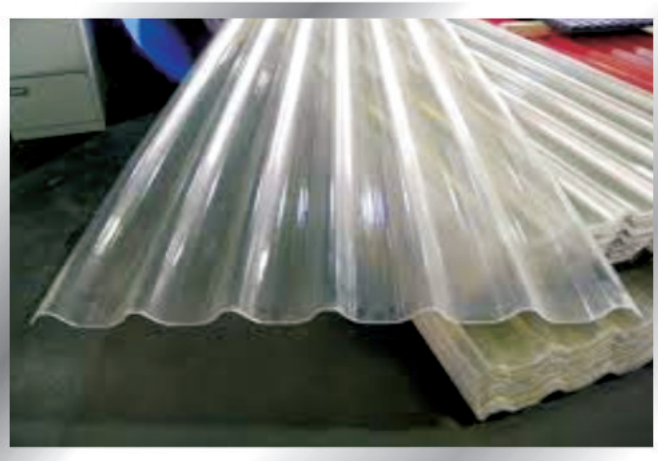
The basic raw materials for fiberglass products are a variety of natural minerals and manufactured chemicals. Our extensive domain expertise enables us in fabricating a wide range of machine made FRP roofing sheets. These fiber glass sheets are made of qualitative raw materials like plastic, fiber glass cloth resin and many others to ensure in them durable performance standards.



**Plain fiber sheet** - We have Plain fiber sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 1 to 10 mm

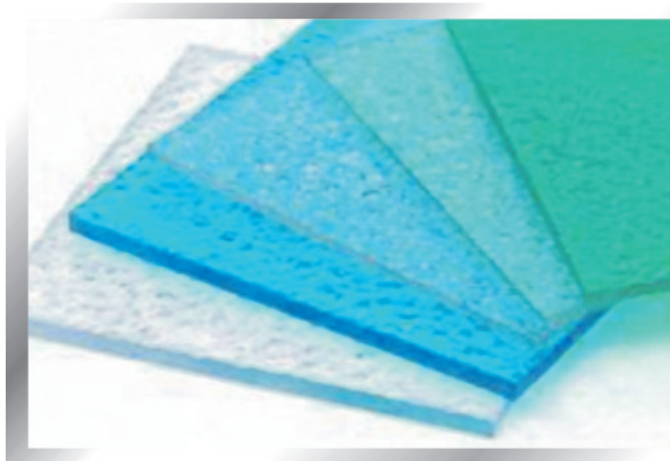
**Color** - Transparent and All Colors Available



**Profile fiber sheet** - We have Profile fiber sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 1.5 mm to 5 mm

**Color** - Transparent and All Colors Available



**Embossed fiber sheet** - We have Embossed fiber sheet with best offer prices in different thicknesses and colors.

**Specifications** - Thickness - 1.5 mm to 5 mm

**Color** - Transparent and All Colors Available



**Fiber Shad** - FRP and Polycarbonate shed

Poly carbonate and fiber dome shed - It is Applicable for domestic, industrial, hotels, hospital and marriage garden etc



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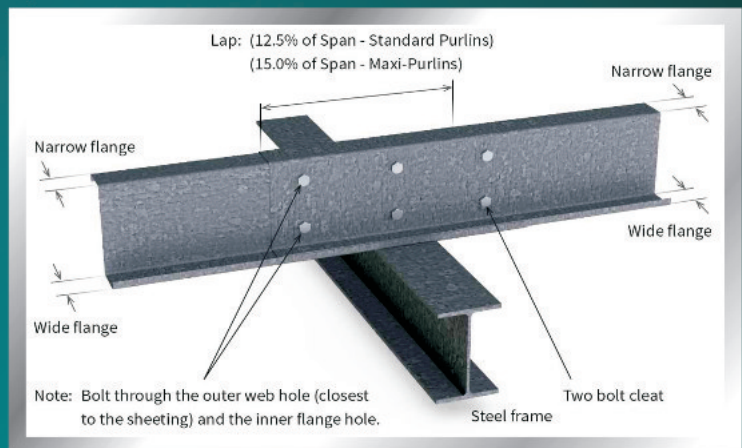
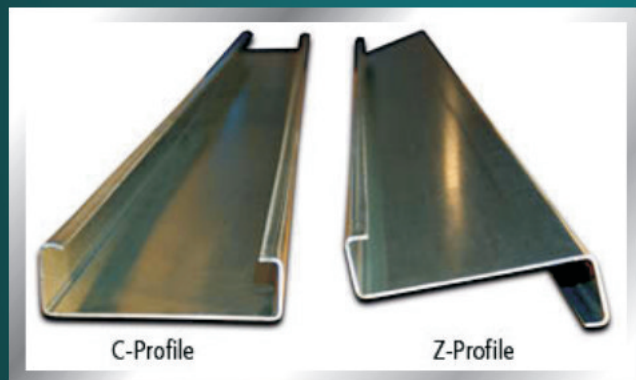
## 'Z' And 'C' Purlin -

'Z'-'C' Purlin is a revolutionary product which has been accepted the world over by engineers. It offers the ease of installation and the option of customization. Moreover the product offers more surface area to be worked upon and is lighter than any other rolled sections which were traditionally used in shed erection.

We have Z and C Purlin with best offers in different width.

**Types** - G.I. and M.S. 'Z' and 'C' Purlin

**Specification** - Width - 125 mm, 150 mm, 180 mm, 200 mm



**Roofing Insulation** – Roof insulation material has many advantages and some of them are stopping radiant heat, preserving energy and amending more comfort with less utility cost.

*We have all kind of roof insulation with best offer prices.*



**Bubble Insulation**



**Glass Wool Insulation**

