



Air Comfort Systems

MFRS. OF : TURBO AIR VENTILATORS

DIST OF : BAYER MAKROLON POLYCARBONATE SHEETS



Turbo Air Ventilators

ACS wind Turbo Air Ventilator is Engineered and Computer Designed to Provide Optimum air Ventilation. It is light weight, high corrosion resistant, maintenance free, energy saving, provides efficient operation vent in a breeze of wind.



ACS Wind Turbo Air Ventilator is designed in Two size i.e., 21 & 24" fitted with a Ball bearing Stainless Steel Shaft to provide silent operation & trouble free maintenance.

ACS vents are fabricated with special grade aluminum to anodized specification of JIS special grade H24, making it Stress resistant. The Teflon self lubricated impregnated bearing gives a smooth rotation and no maintenance for years.

ACS Vent Benefits

- ◆ As the polluted air is replaced by fresh air, people are working inside will be active and healthy & their productivity will be increased.
- ◆ Proper air ventilation will enhance the life of the roof sheet, structures, wall etc by removing accumulated heat, humidity (dampness) and polluted air.
- ◆ ACS vents save total electricity used for power exhaust system. Round the clock it works without any expenditure.
- ◆ One unit saved is two units produced, you are saving your nation.
- ◆ 80% depreciation allowed as per IT act section 32.



Calculating the Number of Turbines Required at a site

Measurement of the site : - First note down the Length, Width & Height of the Site in Feet.

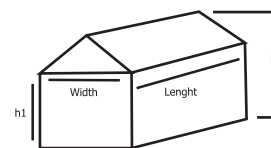
Then Calculate the Total Volume.

$$V1 = L \times W \times h1$$

$$V2 = \frac{L \times W \times (h2 - h1)}{2}$$

$$V = V1 + V2$$

$$\frac{\text{Total Volume} \times \text{Air Change}}{\text{CFM} \times 60} = \text{Total No Of Units.}$$



Air Change = No of Times the Inside air of the building to be Changed by Fresh Air / hr

2 Years Warranty

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Need for Ventilation

Proper ventilation is necessary in all buildings, which are extremely susceptible to condensation and heat transfer. Generally, hot or stale air will not exhaust through an opening into which wind can blow. Therefore, regular static ventilators, which allow outside wind to enter in the shed because of over design or location on the roof, cannot be expected to exhaust because they back draft. An efficient means of extracting warm and stale air is through roof mounted turbo ventilators, which create positive draft, removes hot gases, obnoxious fumes, bad odour, enhances ventilation. Adequate low level provision for the entry of fresh air at ambient temperature should be provided.



ACS Vents Features

- ◆ Helps prolong life of insulation, shingles, roofing material and rafters.
- ◆ Energy free cooling, cuts on air conditioning cost reduces winter moisture damage.
- ◆ Stainless Steel Shaft with Teflon self lubricated bearing for durability and friction free turning.
- ◆ Precision balanced, low inertia head design, turns in the slightest breeze.
- ◆ Smooth and quite operations.
- ◆ Attractive low profile design.
- ◆ Ribbed design adds strength, high speed limiting device protects

TOILET VENTILATOR

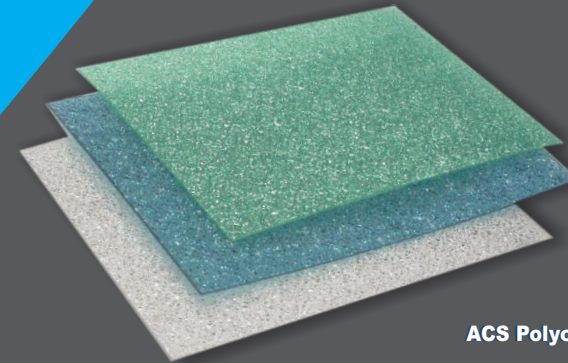
Ready to Fix, Compact, Durable, Looking good, Sleek and Safe.

MATERIALS USED FOR TOILET VENTILATOR

- ❖ **0.5 PPGL COLOUR COATED SHEET**
PPGL Coated Sheet is made up of metal and aluminum mixed. This sheet is used for Roofing purpose and it has 15yrs warranty period
- ❖ **2MM THICKNESS POLYCARBONATE SHEET BLADES**
It is a transparent sheet, non breakable, & allows lighting (UV-Ultraviolet) it also avoids hot air.
- ❖ **EXHAUST FAN**
These fans are own manufacture with front louvers, auto opens/close, avoids outside dust and insects, specially designed for Toilets.
- ❖ **MOSQUITO GUARD**
Supporting Frames & Mesh are in Aluminum
- ❖ **SIZES**
(W) 2 ft X 1 ½ ft (H), (W) 2 ft X 2 ft (H), (W) 2 ½ ft X 2 ft (H) & also in customized size.



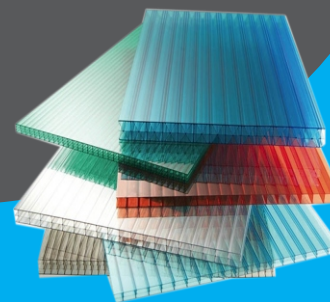
ACS Polycraft Polycarbonate Solid Sheets



ACS Polycraft Polycarbonate Profile Sheets

ABOUT SOLID POLYCARBONATE ROOFING SHEET

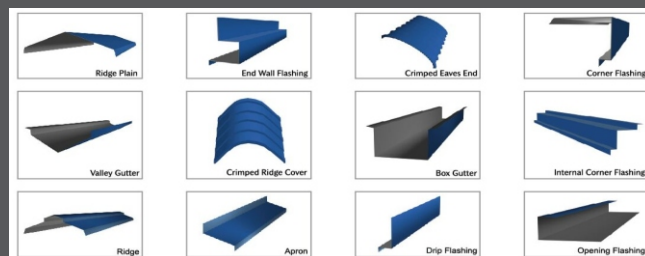
ACS polycraft Solid Polycarbonate Roofing Sheets combining superior impact resistance, elegant smooth appeal, flexibility, excellent light transmission properties and UV protection. ACS polycraft Solid Polycarbonate Sheets are chosen by architects, building professionals and renovators for its high quality physical properties, ease of installation and as an attractive, practical alternative to glass.



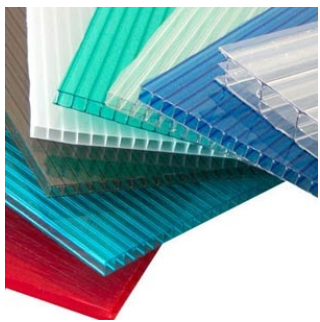
Multiwall



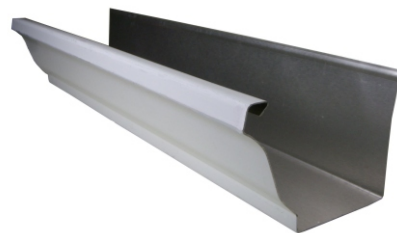
Wall Glazing Louver



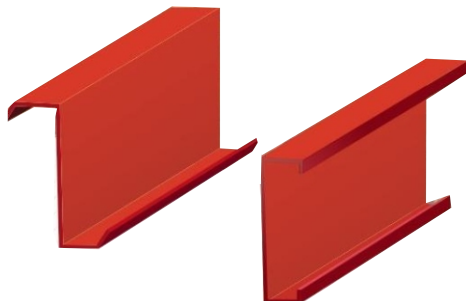
Types of Roof Flashings



➤ **POLYCARBONATE SHEETS** ◀



➤ **GUTTER** ◀

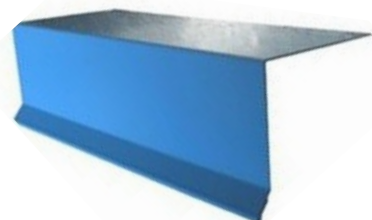


➤ **Z Purlin C Purlin (PILLER)** ◀



➤ **METAL-LOUVER** ◀

➤ **PC-LOUVER** ◀



➤ **RIDGE** ◀



Wind Bottom Base is available in three different types of products

- **Aluminum Base**
- **Fiber Base**
- **Polycarbonate Base**

Corporate Off. Add.

- **Air Comfort Systems (Bangalore)**
UNIT - I
Donnappa Building, Old No.04,
Opp.Vadrapalya Bust Stop,
Agara Main Road,
Horamavu, Bangalore- 560 043.
- **UNIT -II**
Site 71,72, 73, Sai Enclave,
2nd Cross, Banjara Layout,
Horamavu Main Road,
Bangalore - 560 043.

Branch Off. Add.

- **Air Comfort Systems (Mangalore)**
Plot No. 400/B-1,
Bikampady Industrial Area,
Mangalore - 575 011.

- **Air Creative Systems (Andhra Pradesh)**
Plot No.296, Block No.13,
APIIC New Autonagar,
Kanuru, Penamaluru Mandal,
Krishna, Andhra Pradesh - 520007.

- **ACS POLYCRAFT (Coimbatore)**
Trichy Road, SF. No, 60Ft,
Chinthamanipudur,
Kannampalyam, Opp. Sarguna Mills
Coimbatore- 641 103.

- **Air Comfort Systems (Salem)**
195/4, Thirumali Nagar,
2nd Cross, Narasothi Patti,
Salem . Tamil Nadu

- **ACS POLYCRAFT (Madurai)**
SF No. 67/1, Valaya Patti Post,
Kappalur Airport Ring Road,
Madurai - 625 022.

- **ACS Roofing Solutions (Madurai)**
195/4, Thirumali Nagar,
2nd Cross, Narasothi Patti,
Salem . Tamil Nadu

- **Air Comfort Systems (Chennai)**
No.24, Nyaniyappan Street,
Mannady, Chennai - 600001