

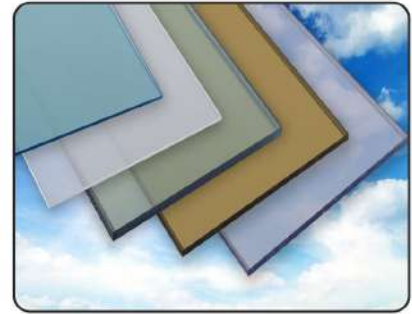


Pararth HVAC Products Pvt. Ltd.

... Superior Product, Service & Solution ...

INSULATION | PUF PANEL | POLYCARBONATE SHEET | FANS

FLAT SOLID POLYCARBONATE SHEET AND ROLLS



OVERVIEW

Polycarbonate Combines superior impact resistance and clarity, making it the material of choice for many demanding applications. It is virtually unbreakable, yet it is transparent as glass at less than half its weight. Pcsheet can be cold bent and easily fabricated and formed, making it ideal for roofing, skylights, architectural roofing and glazing. Clear, translucent and opaque pc sheets are also ideal as machine guards, sound barriers, anti-vandal and safety glazing. PC Diffuser and LB Sheets are extensively used in light boxes.

Main Benefits

- High impact resistance - Virtually unbreakable
- High clarity and light transmission
- Weather and UV resistant
- Wide service temperature range
- Blocks harmful UV radiation
- Good acoustical insulation
- Lightweight
- Easy to handle and install
- Versatile, formable, and machinable

Typical Applications

- Transparent acoustic barriers
- Sport venues
- Skylights
- Shopping centers
- Covered walkways
- Sun rooms and conservatories
- Pergolas and covered patios
- Thermoformed, vacuum formed, bent and fabricated items

Profiles

COLORS

Transparent : Clear, Solar Grey, Bronza, Red, Blue, Green, Breeze.

Translucent : Yellow, Red, White, Opal, White Diffuser, Solar, Control, Solar Ice, Solar Olympic.

Opaque : Dark Green, Red Brick, Black, Dark Blue, Cream, Light Grey, Dark Grey, Brown, off White.

Dimensions

Roll Size : (1) 1.22x30.5m (2) 10x30.5m

Sheet Size : 1250x2050mm (49x81in) • 1220x2440mm (31x96in) • 2050x3050mm (81x120in)

Thickness : 1-12mm / 0.059-0.472in.

We Match Any Profile!

Matching New Profiles

- Matching any Profile!
- No additional Costs!
- Matching in no time!

Profile Ordering Procedur:

- Submit a detailed drawing or a full width sample.
- we will return a profile drawing for approval.

PC CORRUGATED SHEET POLYCARBONATE CORRUGATED SHEET

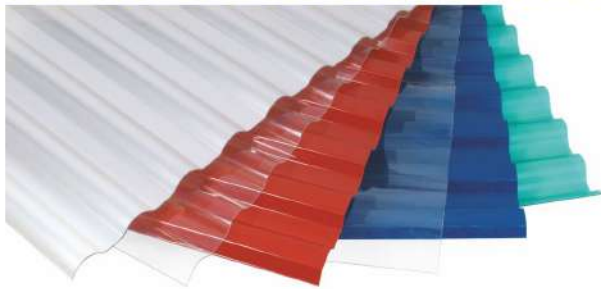


AGRICULTURE

CONSTRUCTION

DIY

ARCHITECTURE



OVERVIEW

- Corrugated **POLYCARBONATE** sheet is an outstanding roofing material that offers superior physical properties.
- **PC** is favored by professionals for non-corrosive industrial structural roofing and siding, by home owners for a multitude of DIY applications, due to its high impact strength and wide service temperature range.
- The unlimited profile range and high light transmission allows **POLYCARBONATE** to integrate as high quality skylight with any roofing profile.
- **POLYCARBONATE** is also available in a wide variety of colors and light diffusion options.

Main Benefits

- Impact resistant: virtually unbreakable
- Transparent: up to 90% light transmission
- Weather and UV resistant
- Wide service temperature range
- UV blocking - better than sunscreens
- Lightweight
- Good flammability rating - does not emit toxic gasses when burning
- Warranted against yellowing, loss of light transmission and hail penetration
- Easy to work with and install

Colors

Group	Colors			
Clear	Clear			
Transparent	Solar Gray	Bronze	Sky Blue	
	Transparent Green	Smart Gray	Breeze	
Translucent	White Opal	White dwiffuser	Solar Control (Solar Metallic Grey)	
	Solar Ice	Mist Green	Smooth Cream	
Opaque	White	Green	Blue	Red Brick

PVC CORRUGATED ROOFING & WALL SHEETS



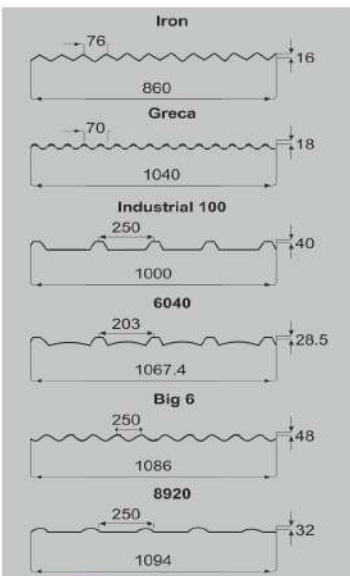
Overview

- PVC Corrugated Sheet is an all - round durable roofing solution, Combining excellent resistance to chemicals, fire and impact.
- PVC Corrugated endures harsh chemical environments where other roofing materials will quickly corrode, making it ideal for roofing, siding and cladding applications in industry, agriculture and construction.
- PVC Corrugated is available in a Variety of Clear and opaque color and many profiles. It can be easily installed in DIY applications around the house using ordinary tools.

Main Benefits

- Non Corrosive - Will not corrode or rust
- Resistant against widest range of Chemicals
- Durable & High Impact Strength
- UV & Weather Resistant
- Doesn't fade or yellow
- Excellent appearance
- Better Sound and Heat Insulation
- Meeting international fire standards
- Easily handled Quickly installed

Profiles



Load / Span Data

Load (Kg/m ²)	Maximum Roof Span (mm)					
	2.0mm		2.5mm		3.0mm	
	Mid Span	End Span	Mid Span	End Span	Mid Span	End Span
50	1800	1350	1900	1425	2000	1500
75	1700	1275	1800	1350	1900	1425
100	1600	1200	1700	1275	1800	1350
125	1500	1125	1600	1200	1700	1275
150	1400	1050	1500	1125	1600	1200
175	1300	975	1400	1050	1500	1125
200	1200	900	1300	975	1400	1050

Flammability PVC Corrugated meets most stringent flammability ratings.



Standard	Classification
DIN 4102	B-1
BS 476/7	Class 1
NSP 92501,5	M-1
FMRC 4870	Class 1

Typical Physical Properties

Property	*Method	Conditions	Units	Value
Density	D-792		g/cm ³	1.4
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 Mpa	°C	67-61
Service Temperature Range			°C	-20 to +50
Thermal conductivity	C-177		W/m k	0.16
Coefficient of liner thermal expansion	D-696		cm / cm°C	6.3 x 10 ⁻⁵
Impact strength	ISO6603/1	2 mm sheet	J	45-60
Tensile strength at yield	D-638	10 mm/min	Mpa	50-66
Tensile strength at break	D-638	10 mm/min	Mpa	39-53
Elongation at yield	D-638	10 mm/min	%	3
Elongation at break	D-638	10 mm/min	%	>80
Tensile modulus of elasticity	D-638	1 mm/min	Mpa	2,900
Flexural strength	D-790	1.3 mm/min	Mpa	90 -100
Flexural modulus	D-790	1.3 mm/min	Mpa	2,700
Rockwell harness	D-785	0.8 mm sheet	R Scale	105 - 115

* ASTM method except where noted otherwise

MULTIWALL MODULAR DAYLIGHT SYSTEM OVERVIEW



PVC Corrugated an advanced multiwall PVC panel system that combines proven design, light transmission, thermal insulation and strength. It offers a lightweight, leak-proof design that withstands very high loads and accommodates expansion and contraction. The system's distinct advantages make it ideal for long term application on many types of projects. As with any true architectural glazing system, PVC is appropriate for a variety of roofing and cladding designs, flat or curved.

Main Benefits

- Withstands very high loads
- Accommodates expansion & Contraction
- Simple & Fast installation
- Leak-Proof
- High thermal insulation
- Ideal for curved designs
- Double sided UV protection
- SolarSmart™ cool light colors

Typical Applications

- Architectural roofing & glazing
- Commercial and retail roofing
- Sport facilities - translucent roofing
- Covered walkways - light roofing
- Service stations - translucent roofing
- Parking structure covering
- Swimming pool covers

Thermal Insulation

Type	U-Value {Watt /m ² c}	R-Value {m ² c/ Watt}
SUNPAL 10 MM	2.10	0.47
SUNPAL 18/20 MM	1.50	0.67



Profiles

Multiwall panels are of multiwall structure available in thicknesses of 8mm, 10mm, 18mm and 20mm. Standard Multiwall panels have UV protection on both sides, although panels with UV protection on one side only can be produced on special orders. Maximum Panel length is 11.99m (typical stock length).

- 10/600
Width : 1000mm
Height : 33.5mm
Height with PC Joiner : 41mm
Weight : 3.11 kg/m, 3.11 kg/m²
Min. cold bending radius : 3.0m

- 18/1000
Width : 1000mm
Height : 33.5mm
Height with PC Joiner : 41mm
Weight : 3.11 kg/m, 3.11 kg/m²
Min. cold bending radius : 3.0m

- 20/1000
Width : 1000mm
Height : 35.5mm
Height with PC Joiner : 43mm
Weight : 3.19 kg/m, 3.19 kg/m²
Min. cold bending radius : 3.0m



Flammability

Multiwall flammability classification appears in the attached table, based on a test performed by certified independent laboratories. The quoted Certificate represents the flammability performance of the entire system.

Standard	*Classification
EN 13501	B, S1, D0

Typical Physical Properties

Property	*Method	Conditions	Units	Value
Density	D-792		g/cm ³	1.2
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 Mpa	°C	130
Service Temperature - Short term			°C	-50 to +120
Service Temperature - Long term			°C	-50 to +100
Coefficient of linear thermal expansion D-696			cm/cm°C	6.5x10 ⁻⁵
Tensile strength at yield	D-638	10 mm / min	Mpa	62
Elongation at break	D-638	10 mm / min	%	>80
Impact falling dart	ISO 6603/1		J	40-400
Practical Thermal expansion / contraction rate			mm/m	3

* ASTM method except where noted otherwise

Colors

Clear
 Bronze
 White Opal
 White Ice
 Solar Ice
 Solar Control
 Grey
 Green
 Blue
 Red and More.

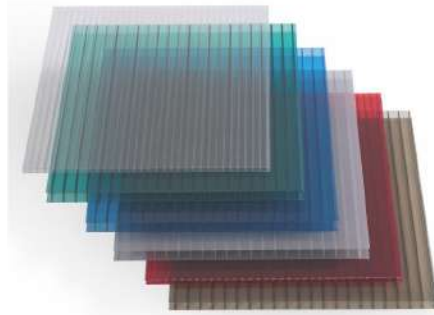
System Components

PC Joiner T-Fastener T-Stopper Aluminum F-profile Aluminum Sealing Strip



Metal Screw Aluminum Tape Breather Tape End Cap

MULTIWALL POLYCARBONATE SHEET



OVERVIEW

POLYCARBONATE cellular polycarbonate structure yields a lightweight sheet with high impact strength and superior thermal insulation. High light transmission makes MULTIWALL ideal for varied roofing, wall cladding, and glazing applications.

MULTIWALL has a wide product range: from anti-condensation treatment for greenhouses and garden centers to SolarSmart™ sheets that create cool climatic conditions.

interior designers and advertisers take advantage of MULTIWALL special appearance and add a unique touch to their designs.

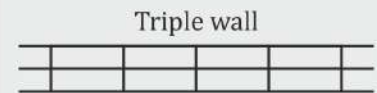
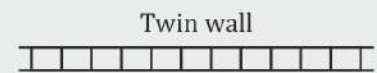
Main Benefits

- High thermal insulation
- Lightweight and impact resistant
- High light transmission
- Excellent structural durability
- Weather and UV resistance
- Blocks virtually all UV radiation
- Easy to handle and install
- High fire performance rating

Typical Applications

- Architectural roofing and glazing
- Skylights and sidelights
- Conservatories
- Covered walkways
- Displays, signage and decorations
- Industrial roofing and glazing
- Residential roofing and glazing
- Covered swimming pools
- Agricultural greenhouses

Profiles



Length :
11.8m

Thickness:
4-40mm

Standard :
Clear, Solar Grey, Bronze, Red,
Blue, Green

Translucent:
Blue, Green

Multi-Layered:
Bronze/Opal, Solar Guard
(Solar-control/Opal)

Flammability

MULTIWALL has a low flammability rating and does not emit toxic gasses when burning.

Standard	*Classification
BS476/7	Class 1
ASTM D-635	CC-1 (SUNLITE®FR)
EN 13501	B, s1, d0
ASTM E-84	Class 1

Typical Physical Properties

Property	*Method	Conditions	Units	Value
Density		D-792	g/cm ³	1.2
Heat deflection temperature (H.D.T)	D-648	Load: 1.82 Mpa	°C	135
Service Temperature - Short term			°C	-20 to +50
Service Temperature - Long term			°C	-50 to +100
Coefficient of linear thermal expansion D-696			cm/cm°C	6.5x10 ⁻⁵
Tensile strength at yield	D-638	10 mm / min	Mpa	62
Elongation at break	D-638	10 mm / min	%	>90
Impact falling dart	ISO 6603/1		J	40-400
Practical Thermal expansion / contraction rate			mm/m	3

* ASTM method except where noted otherwise



PVC WALL CLADDING SYSTEM



OVERVIEW

POLYCARBONATE cladding system is a practical, cost efficient and comprehensive Solution for maintaining a clean and safe environment. Covering large areas is simplified with POLYCARBIBATE , which have already helped achieve high resistance to fire and chemicals in hospitals, pharmaceutical plants, Restaurants and other locations. The system features flat opaque PVC panels, manufactured by Palram for more than 50 years, combine with custom profiles and welding rods in matching colors. A wide range of colors and surface textures enables design versatility for many purposes. The system's durability ensures many years of service that is unaffected by repetitive cleaning routines.

MAIN BENEFITS

- Complete wall cladding solutions
- Profiles or welding rods options
- Creates high sanitation environment
- Withstands repeated cleaning cycles j
- Versatile design options through many colors and surfaces
- High impact strength
- High fire rating
- High electrical and thermal insulation
- Non toxic
- POLYCARBONATE Pro HYG: Active hygiene

TYPICAL APPLICATIONS

- Public Facilities
- Food Industry
- Healthcare
- Agriculture



Colors

Clear	Pistachio
off White	Desert Sand
Mink	Ocean Blue
Grey Cream	Green Grape
Light Grey	Red
Grey	Black

*other Colors are available on Special Order, subject to minimum quality

Dimensions

Thickness: 2mm, 2.5mm
Widthx Length : 1500 x 3000mm

Product Range

- 1) White panels & Welding rods/ profiles
- 2) Colored panels & Welding rods/ profiles
- 3) Active hygiene protection (Silver ions)
- 4) Low smoke - meeting s2 classification



Pararth HVAC Products Pvt. Ltd.

Head Office :

📍 44, Aryan Industrial Estate, Nr. Gota Railway Crossing, Gota, Ahmedabad, Gujarat-382 481.
☎ +91 75730 43012 📧 info@pararthproducts.com 🌐 www.pararthproducts.com

Branch Offices :

📍 Indore,
Madhya Pradesh & Chhattisgarh
☎ +91 757304 3024

📍 Mumbai,
Maharashtra & Goa
☎ +91 79773 82379

📍 Hyderabad,
Telangana & Andhra Pradesh
☎ +91 75730 43025/15

