



ONE-STOP SUPPLIER OF POLYCARBONATE SHEET



Plastic Sheets



Plastic Finishes



Plastic Fabrication



UVPLASTIC

Corrugated Polycarbonate Sheet (UVPCP)

www.uvplastic.com

ABOUT UVPASTIC

2003

Founding Time

35

Staffs

30+

Countries

560+

Clients

12+

Millions

WHO WE ARE

UVPLASTIC Material Technology Co., Ltd is a *ONE-STOP SUPPLIER* and *INTEGRATED SOLUTION PROVIDER* in the plastic field, established in 2003 at Suzhou, China. After many years of continuous effort, the company has grown to be a leading supplier of

[Polycarbonate Sheet;](#)

[Acrylic Sheet;](#)

[Plastic Fabrication Services;](#)

OEM & ODM Services;

Today, UVPLASTIC is active in architecture & construction, agriculture, medical industry, auto industry, security industry, electronic industry, POP display, optical industry, and industrial fabrication, etc.

COOPERATION PARTNER



WHY UVPLASTIC

One-Stop Supplier



UVPLASTIC is a one-stop [supplier of polycarbonate](#) and acrylic sheets in all forms. Meantime, we offer the complete system for the greenhouse, building roof, and [facade system](#).

Strong Fabrication Capacity



UVPLASTIC offers integrated fabrication solution for polycarbonate and acrylic sheets including [cutting](#), bending, drilling, milling, carving, thermoforming, injection molding, and coating.

Design and Development

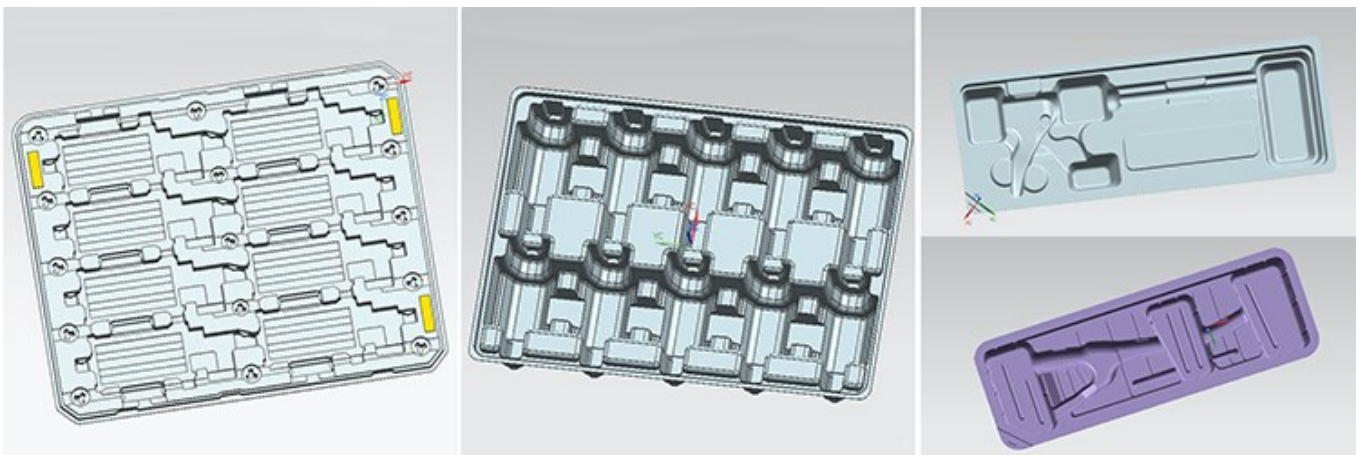
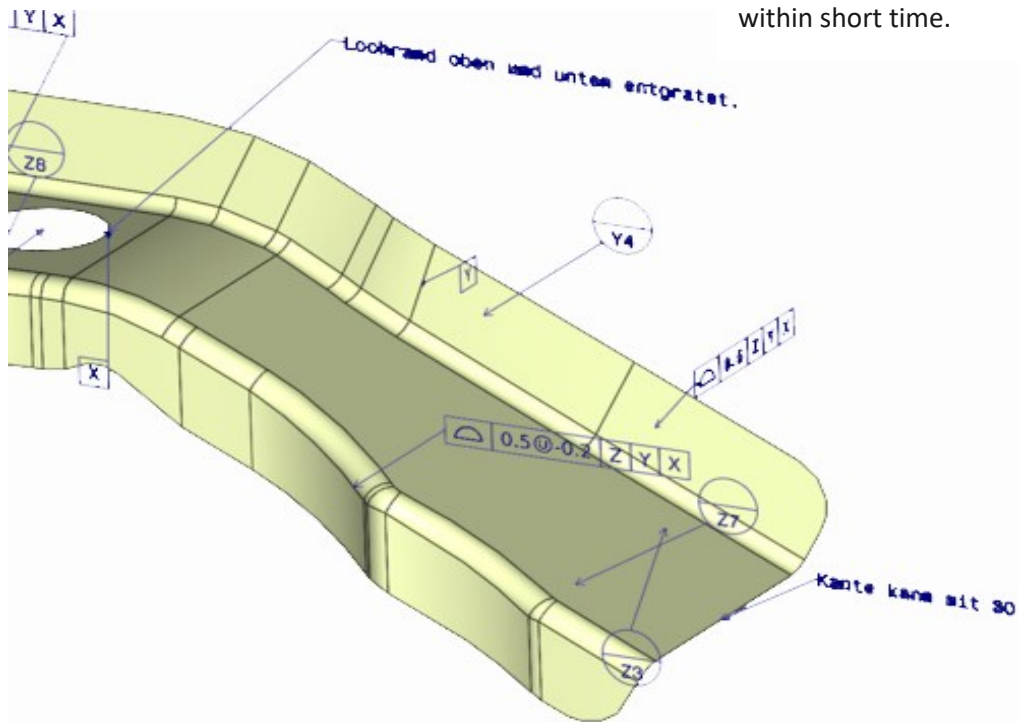


With assistance from CAD, Solidworks, CATIA, and UG, UVPLASTIC works with global engineers to discuss product feasibility and find the best solution for the projects.

Custom Fabrication



With more than 15 years of experience and high efficient working style, UVPLASTIC can build the prototype fastly and will make customer's ideas come true within short time.



Polycarbonate

[Solid Polycarbonate sheet](#);
[Multi Wall Polycarbonate Sheet](#);
[Thin Polycarbonate Sheet/Film](#);
[Hard Coated Polycarbonate Sheet](#);
[Corrugated Polycarbonate Sheet](#);
[ESD Polycarbonate Sheet](#);
[Polycarbonate Diffuser Sheet](#);
[V0 Flame Retardant Polycarbonate](#);

Acrylic

[Cast acrylic sheet](#);
[Extruded Acrylic Sheet](#);
[Colored Acrylic Sheet](#);
[ESD Acrylic Sheet](#);
[Coated Acrylic Sheet](#);
[Non glare Acrylic Sheet](#);
[Scratch Resistant Acrylic Sheet](#);
[Acrylic Mirror Sheet](#);

Plastic Fabrication Service

Polycarbonate Cut To Size;
Edge Finishing;
Plastic Bending;
Surface Finishing;
Thermoforming;
Screen/Digital printing

OEM & ODM

[Riot Shield](#);
[Plastic Chair Mat](#);
[Clear Kayak](#);
[Polycarbonate skylight Dome](#);
[Clear Bubble Tent](#);
Acrylic Display;
Acrylic Furniture;





UVPLASTIC

ONE-STOP SUPPLIER OF POLYCARBONATE SHEET

STRONGER

MORE DURABLE



Corrugated Polycarbonate Sheet

UVPC Corrugated Polycarbonate Sheet is one of the most lightweight roofing panels with high impact toughness and durable property. It is designed to match the specific profiles of metal corrugated sheets for industrial roofing as a skylight.

Otherwise, UVPC corrugated polycarbonate sheets can be designed to be [light diffuser sheet](#), and used as the siding wall for facade projects.

UVPC Corrugated Polycarbonate Sheet is the best choice for agricultural greenhouses and DIY projects.



Main Benefits

- Up to 90% Light Transmittance, and clear like glass;
- Outstanding impact resistant and virtually unbreakable;
- More than 200 profiles are available;
- Custom service matches any profiles;
- Blocks 99% of harmful ultraviolet radiation;
- Excellent weather resistance;
- Easy to install with standard tools;
- UP to V-0 Fire rating;

Applications

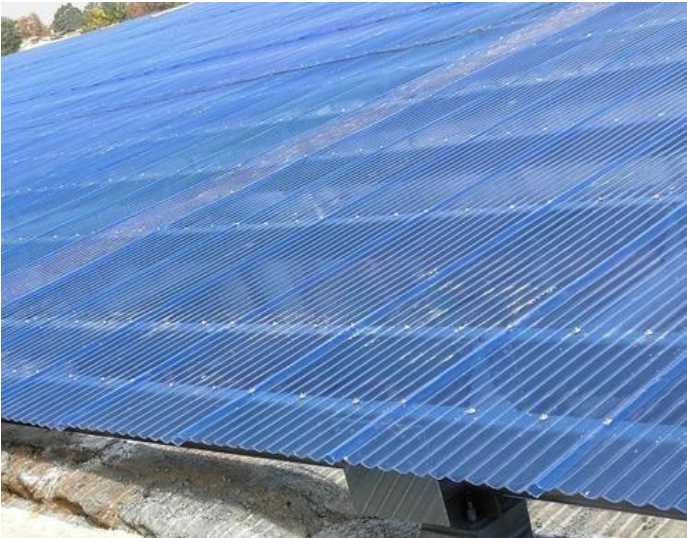
WAREHOUSE ROOFING

UVCPC Corrugated Polycarbonate Sheet offers great light transmittance, therefore, it is an ideal solution for industry roofing sheet, skylight, and sidelight.

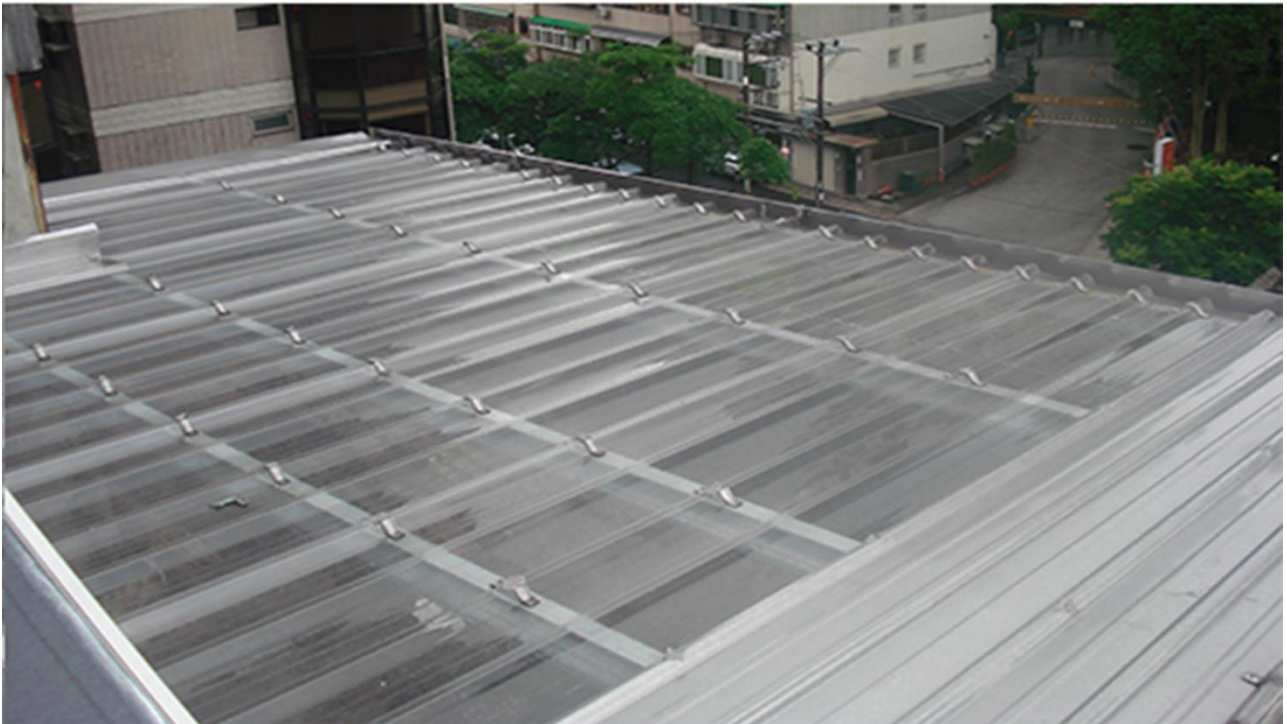
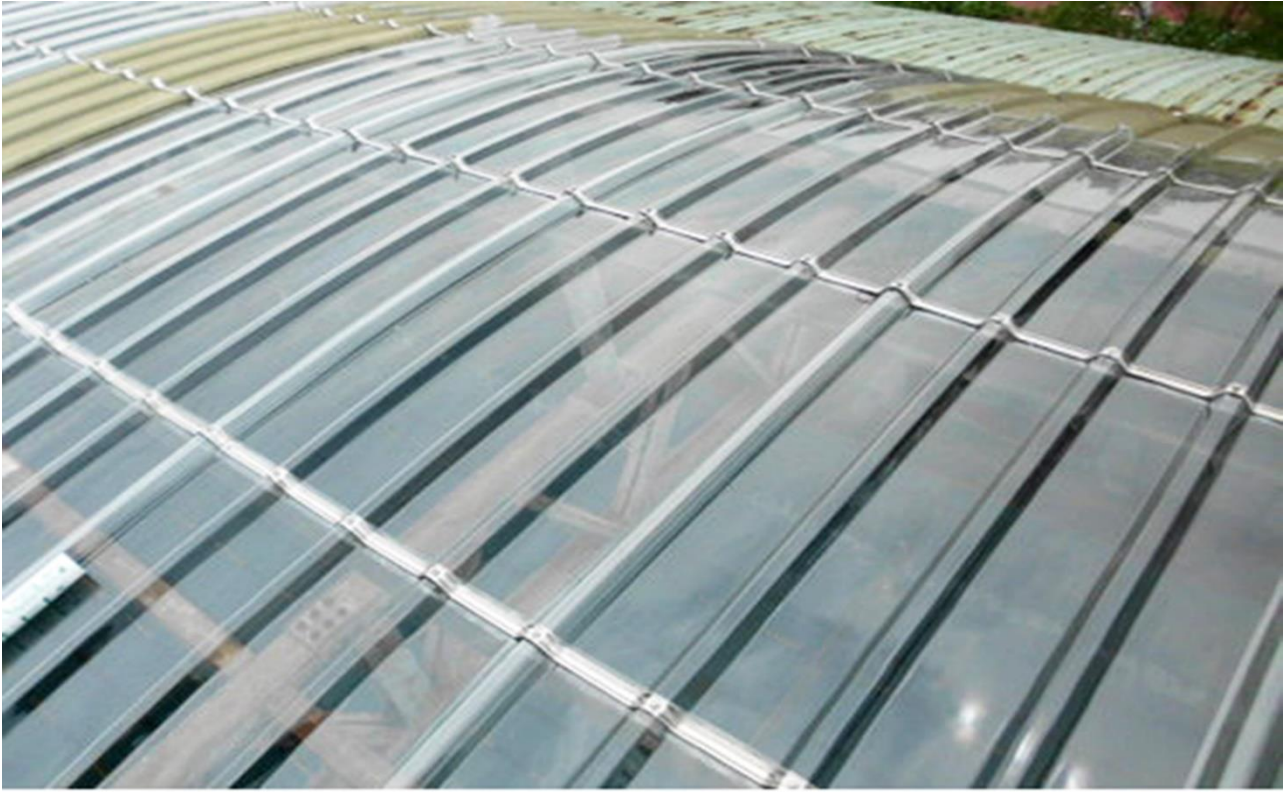


DIY & RESIDENTIAL PROJECT

UVCPC Corrugated Polycarbonate Sheet is really lightweight, it is easy to install. With the co-extruded UV protective layer, UVCPC corrugated polycarbonate sheet offers durability under all weather. It is the right choice for hobby greenhouses, sunroom, canopy, etc.









Product Range

CO-EXTRUDED UV PROTECTIVE LAYER

Model	Description
UVCPC-U1	Standard model with co-extrude UV protective on one side
UVCPC-U1A	Co-extruded UV protective layer on outside, anti-condensation treatment on inside for greenhouse
UVCPC-U2	Co-extruded UV protective layer on both sides for outdoor application

COLORS

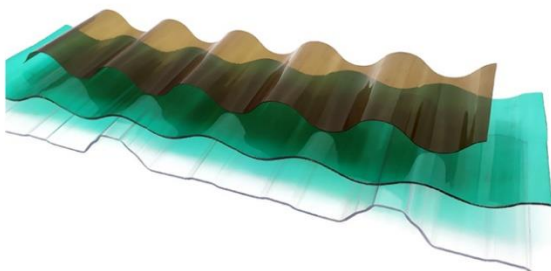
Type:	Colors Description
Transparent	Clear, Brown, Bronze, Gary, Blue, Green
Translucent	White Opal, White Diffuser, Yellow, Red, Mint Green
Opaque	Black, White Opal, Yellow, Dark Blue, Red, Dark Grey, Dark Brown

Customized colors are available upon request, subject to a minimum order.

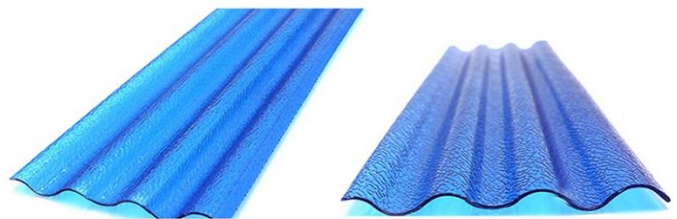
THICKNESS

Thickness (mm)	Gloss Surface	Prismatic Surface
0.8	<input type="radio"/>	
1	<input type="radio"/>	
1.5	<input type="radio"/>	
2	<input type="radio"/>	<input type="radio"/>
2.5	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>

The Length can be customized under 12m; Customized dimensions are available upon request, subject to a minimum order.



Gloss Surface



Prismatic Surface

PHYSICAL PROPERTIES

Physical Property	Testing Method	Unit	Value
Specific Gravity	D-792	g/cm ³	1.2
Light transmittance	D-1003	%	>76
Heat deflection temperature (HDT)	D-648	°C	140
Service Temperature - Short term		°C	-50 to +120
Service Temperature - Long term		°C	-40 to +100
Impact falling dart	ISO 6603/1	J	40-400
Tensile Strength at Yield	D-638	Mpa or N/mm ²	>60
Tensile Strength at Break	D-638	MPa or N/mm ²	>65
Coefficient of Linear Thermal Expansion	D-696	mm/m °C	0.065
Thermal Conductivity	C-177	W/m K	0.21
Elongation at Break	D-638	%	>100
Tensile Modulus of Elasticity	D-638	MPa	2400
Flexural Strength	D-790	MPa	100
Practical thermal expansion/contraction		mm/m	3

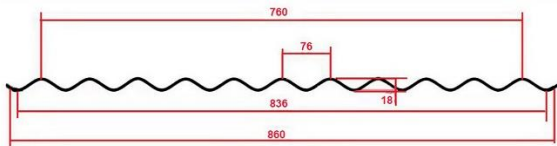
Topic Profiles



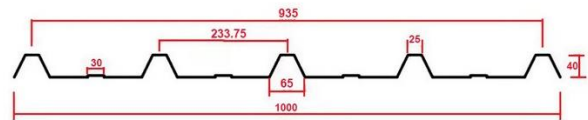
UVPCP-756



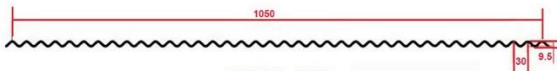
UVCPC-840



UVCPC-860



UVCPC-935



UVCPC-1050

AND MORE...



CONTACT US

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