



EASIER AND STRONGER FACADE SYSTEM



Engineering Plastic



Machining Service



Application



UVPLASTIC

Polycarbonate Facade System (UVFA)

www.uvplastic.com
www.uvacrylic.com

ABOUT UVPLASTIC

2003

Founding Time

165

Staffs

50+

Countries

1200+

Clients

12+

Millions

WHO WE ARE

UVPLASTIC Material Technology Co., Ltd is a *ONE-STOP SUPPLIER* in the engineering plastic field, established in 2003 at Suzhou, China. After many years of continuous effort, we have one subsidiary and three trademarks (UVPLASTIC, UVACRYLIC, VIEWSKY), main business are:

1. Engineering Plastic: providing polycarbonate and acrylic in all forms;
2. Machining Service: providing the integrated machining solution for engineering plastic;
3. Application: we design and manufacture products based polycarbonate and acrylic, including [VIEWSKY Bubble Tent](#), [Geodesic Dome Tent](#), [Office Chair Mat](#), [Riot Shield](#), Mini-Greenhouse, etc.

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.

Machining Service



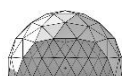
With more than 15 years of experience and high efficient working style, UVPLASTIC can build the prototype and will make customer's ideas come true within short time.

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.

Design it and make it



UVPLASTIC have designed some products based on polycarbonate and acrylic, such as VIEWSKY Bubble Tent, Geodesic Dome Tent for hotel, restaurant, glamping, and display application. The mini-greenhouse and office chair mat are popular all over the world.

CONTACT US

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Website: www.uvacrylic.com

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Polycarbonate Facade System

Polycarbonate Facade System is one of the most popular solutions for building curtain walls, it offers eye-catching visual effects, fantastic functionality, and Great durability. Polycarbonate facade sheet is much stronger than glass and offers excellent impact resistance, sound insulation, thermal insulation while letting in daylight, therefore, the polycarbonate facade system can help to save the air condition, heating, and light cost. It also creates an amazing effect when working with LED Light at night.

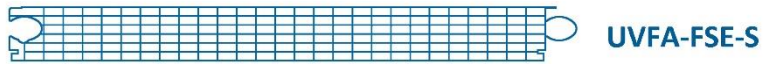
UVFA is the product code of UVPLASTIC Polycarbonate Facade System, including Plug Pattern Polycarbonate Facade Panel with water drain channel, Aluminum Fitting Parts, and Aluminum Frames. Plug Pattern Polycarbonate Facade Panel offers flexible length, standard thickness & width. It offers various surfaces, such as bright surface, solar control, light diffusion, matt surface, etc.

With the UV coating layers on one or two sides, UVFA Polycarbonate Facade System has excellent durability for about 15 years. It is the best material for the hangar, building curtain walls, indoor partition, etc.

Technical Parameters

No.	Item	Description
1	Product Name	Polycarbonate Facade System
2	Model	UVFA
3	Thickness	30mm, 40mm, 50mm
4	Standard Width	500mm
5	Length	Can be customized
6	Light Transmittance (Clear)	55%
7	U-Value	1.1 W/sqm*K
8	Linear Thermal Expansion	10 ⁻⁵ /degree
9	Working Temperature	From -50 to 120 degree
10	Tensile Strength	62 Mpa
11	Elongation at break	>80%

Profile Range



Model	Description
UVFA-FSE-S	Seven-Layer connective ribs with small space, 40mm and 50mm in thickness;
UVFA-FSE-L	Seven-Layer connective ribs with longer space, 40mm and 50mm in thickness;
UVFA-WSE	Seven-Layer connective ribs with W-type space, 30mm and 40mm in thickness;

Thickness

Thickness (mm)	UVFA-FSE-S	UVFA-FSE-L	UVFA-WSE
30	N/A	N/A	Y
40	Y	Y	Y
50	Y	Y	N/A

N/A: NOT AVAILABLE, Y: AVAILABLE;

Co-Extruded Layer Range

Model	Description
UVFA-U1	Standard Polycarbonate Facade Panel With Co-extruded UV Layer On One Side
UVFA-U2	Polycarbonate Facade Panel With Co-extruded UV Layer On TWO Sides
UVFA-SO	Polycarbonate Facade Panel With Solar Control Function

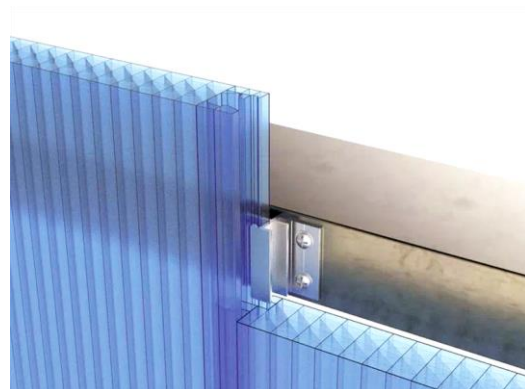
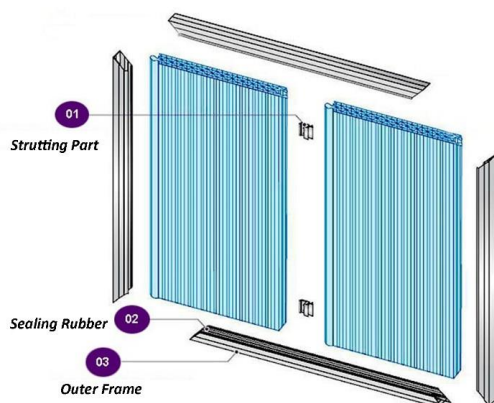
Colors Range

Type:	Colors Description
Standard Colors	0. Clear/Transparent
Normal Colors	1. Transparent with bright effect; 2. White Opal With Diffuser; 3. Orange; 4. Pale blue or sky blue; 5. Brilliant Blue; 6. Red; 7. Green; 8. Yellow;

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



Accessory



Main Benefits

- 250 times stronger than normal glass, virtually unbreakable;
- Low thermal energy transfer with the insulation air space;
- Lighter weight and easy to install;
- The co-extruded UV coating layer can block 99.9% ultraviolet rays;
- The solar control function blocks the infrared heat and controls the temperature;
- Totally water-proof and dust-proof;
- Withstands most extreme hot and cold climates between -40°C to 120 °C;
- High fire performance rating;
- Light Diffusion function is optional;
- Eye-catching visual effects with LED light;

Application

1. Building Curtain Wall

Materials: Polycarbonate Facade System (UVFA-FSE-S)

Thickness: 40 mm;

Colors: White Opal with Diffuser;



2. Interior Wall

Materials: Polycarbonate Facade System (UVFA-WSE)

Thickness: 30 mm;

Colors: Transparent with bright effect;



3. Interior Wall

Materials: Polycarbonate Facade System (UVFA-WSE)

Thickness: 30 mm;

Colors: White Opal with Diffuser;



AND MORE...