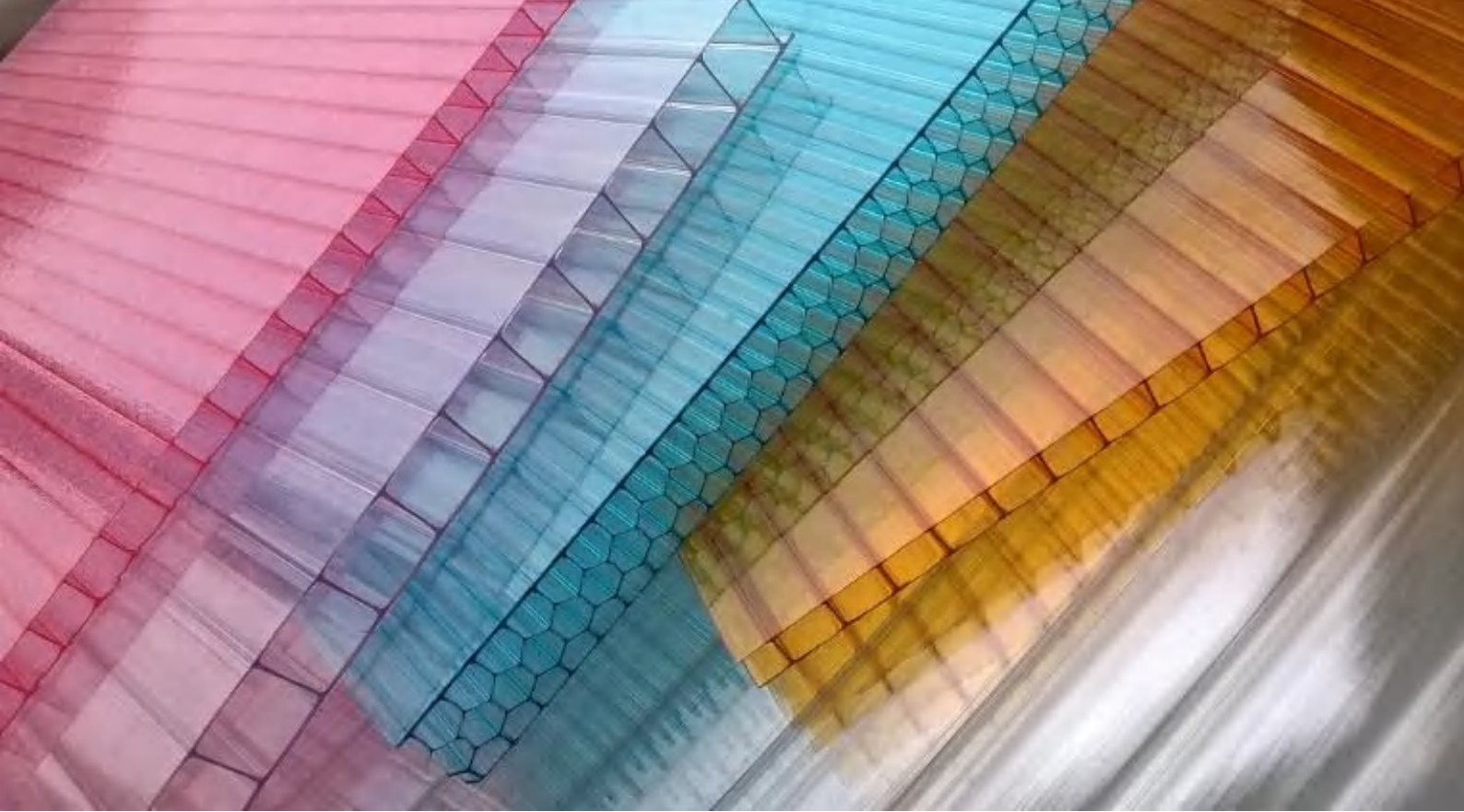




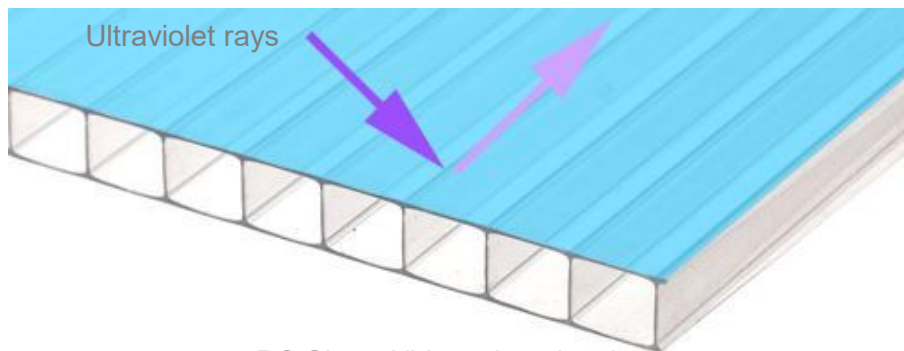
## PC Sheet(Polycarbonate Hollow Sheet)



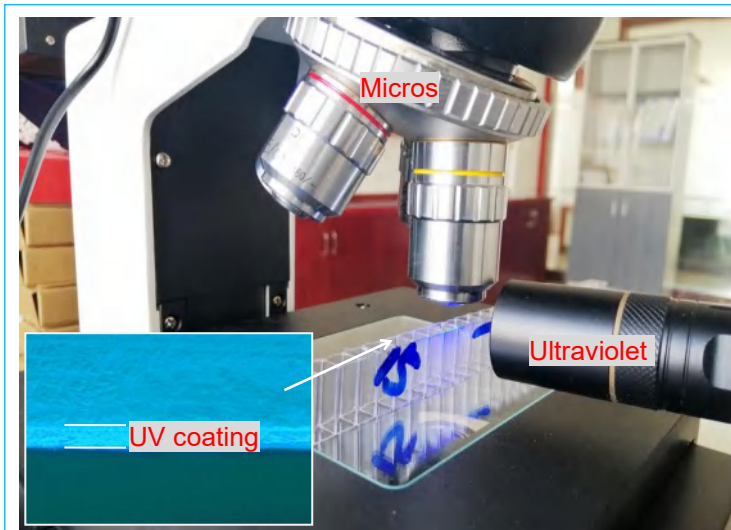


PC Sheet is made of polycarbonate virgin materials (mainly by Bayer and Sabic), and refuses to use recycled materials. The surface of the sheet is covered with a 50 micron anti-ultraviolet UV coating to increase the service life of the sheets and provide a 10 years quality guarantee.

The sheet has excellent light transmission, and the light transmittance can be customized and adjusted according to the customers' needs. It has the characteristics of light weight and high strength, and at the same time has a certain thermal insulation function, which is widely used in greenhouses, building lighting, carports and rain sheds.



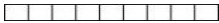
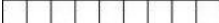
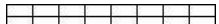
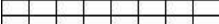


PC Sheet UV coating sketch map



UV coating testing



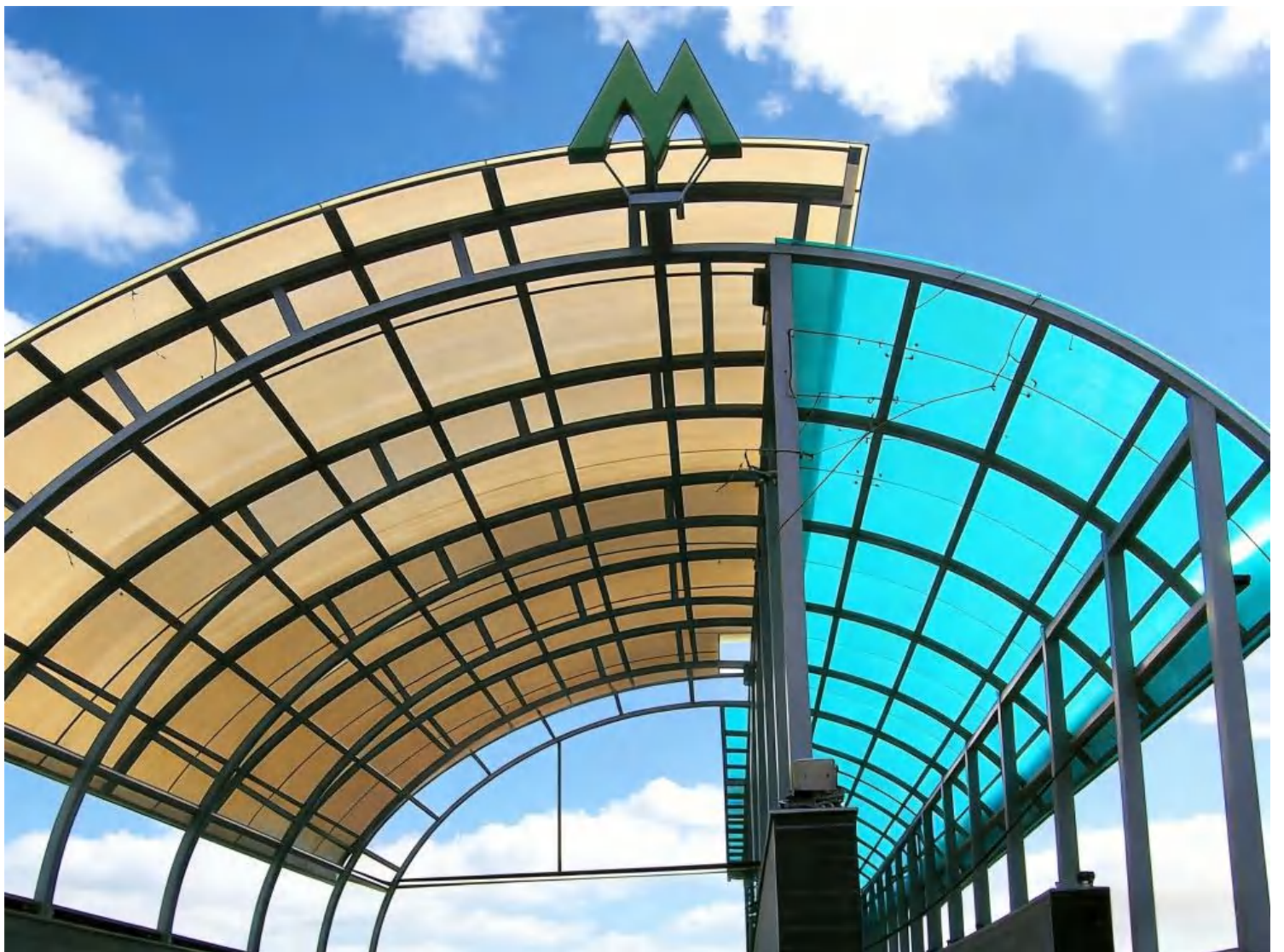
Polycarbonate is not anti-aging

Type	Structure	Thickness (mm)	Minimal Cold Bending Radius (mm)	Thermal Insulation w/m <sup>2</sup> ·k	Rib Space (mm)	Width (mm)	Length (M)
Twin wall		4	700	3.8	6.5	2100 1220 1050	5.8 6 11.8  (other sizes are available)
		6	1050	3.5			
Twin wall		8	1400	3.3	10.75		
		10	1750	2.9			
		12	2100	2.8			
Four layer		6	1050	3.3	7		
		8	1400	3.0			
		10	1750	2.7			
		12	2100	2.5			
Four layer		12	2100	2.5	11		
		16	2800	2.3			
Honeycomb		6	1050	3.3	4	2100 1050	
		8	1400	3.0	6		
		10	1750	2.7			
		12	2100	2.5			
X Strong		16	2800	2.1			12
		18	3150	2.0			
		20	3500	1.9			
		25	4375	1.7			

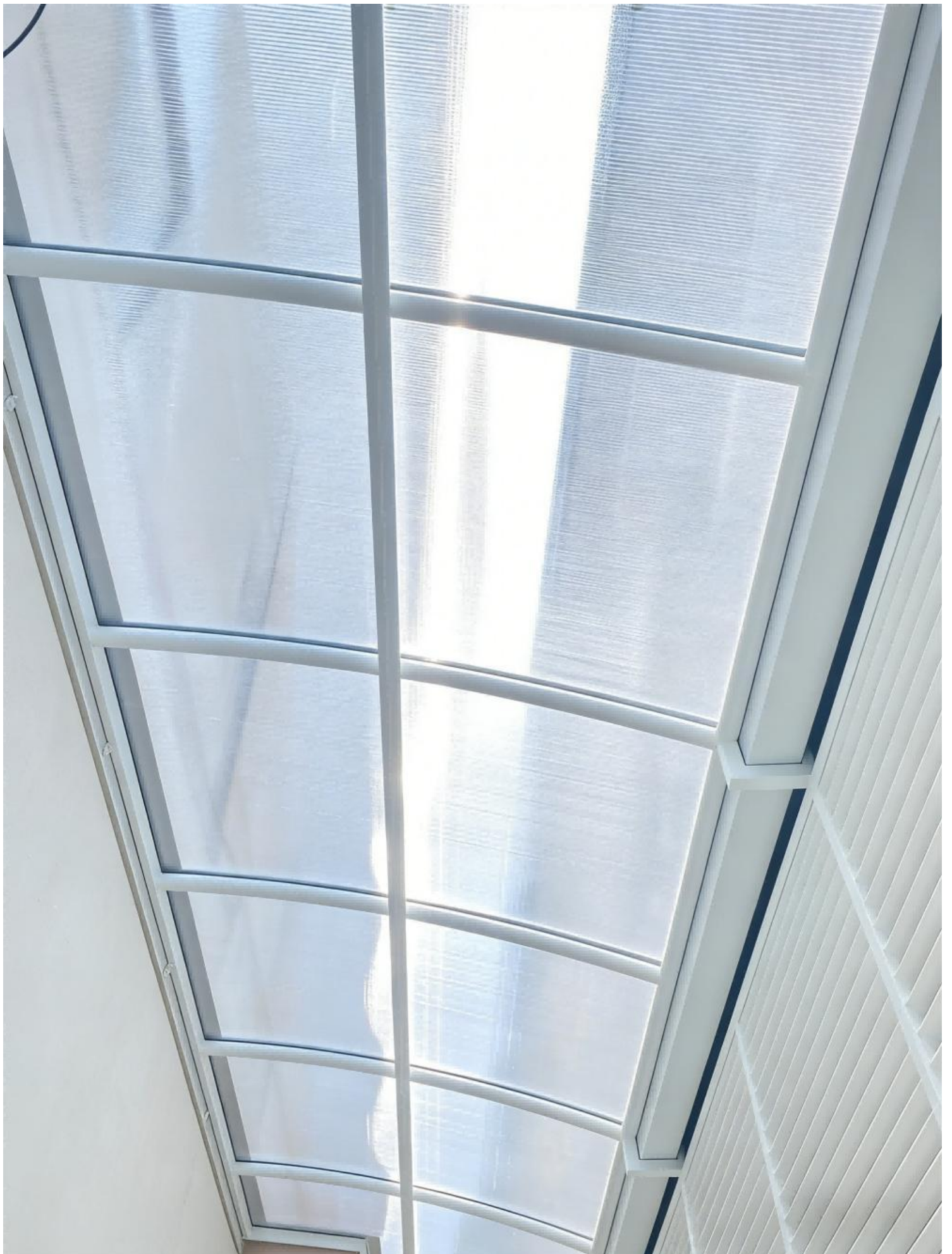
Thickness	Light Transmissions % (±3%)					
	Clear	Bronze	Opal	Blue	Blue-green	Green
mm						
4	82	58	57	45	55	45
6	80	50	56	36	50	42
8	80	44	52	30	47	40
10	79	40	44	28	42	35
12	70	38	42	25	40	34
16	65	36	40	24	38	32
20	63	35	38	23	35	31
25	60	33	36	21	33	30

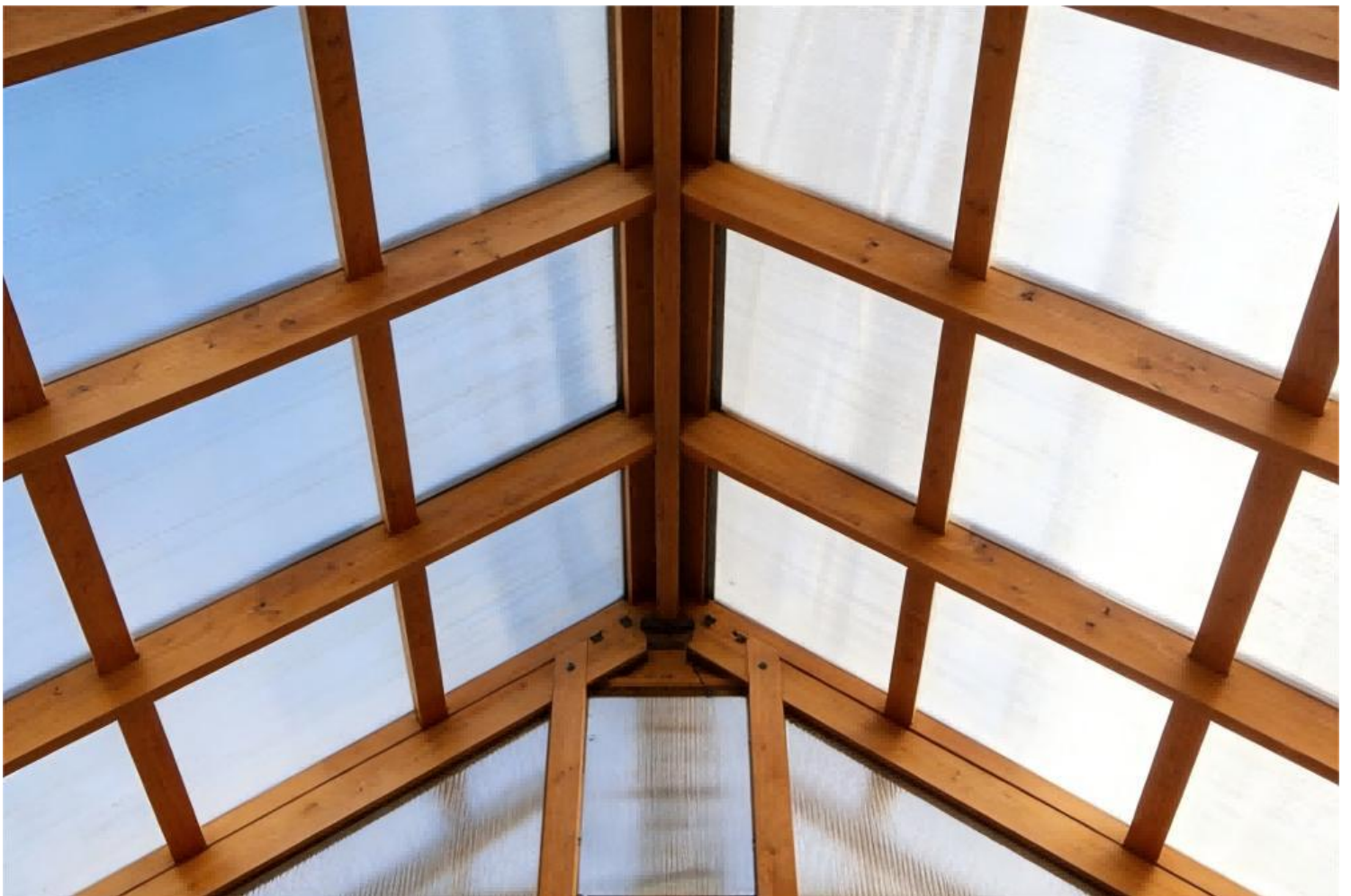
\*For your reference only













10000 hour anti-aging test :

### TESTING RESULTS

No. 2024(X)05007

(CONTINUED FROM THE PREVIOUS PAGE)

No.	Test Items	Units	Results	Test Methods
21	Weathering aging for 9500h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	71.4	GB/T 2410-2008
	Haze after aging	%	67.6	GB/T 2410-2008
	Yellowness index after aging	/	16.5	HG/T 3862-2006
22	Weathering aging for 10000h (exposure to Xenon-arc lamps)			GB/T 16422.2-2022
	Luminous transmittance after aging	%	69.8	GB/T 2410-2008
	Haze after aging	%	69.5	GB/T 2410-2008
	Yellowness index after aging	/	17.8	HG/T 3862-2006

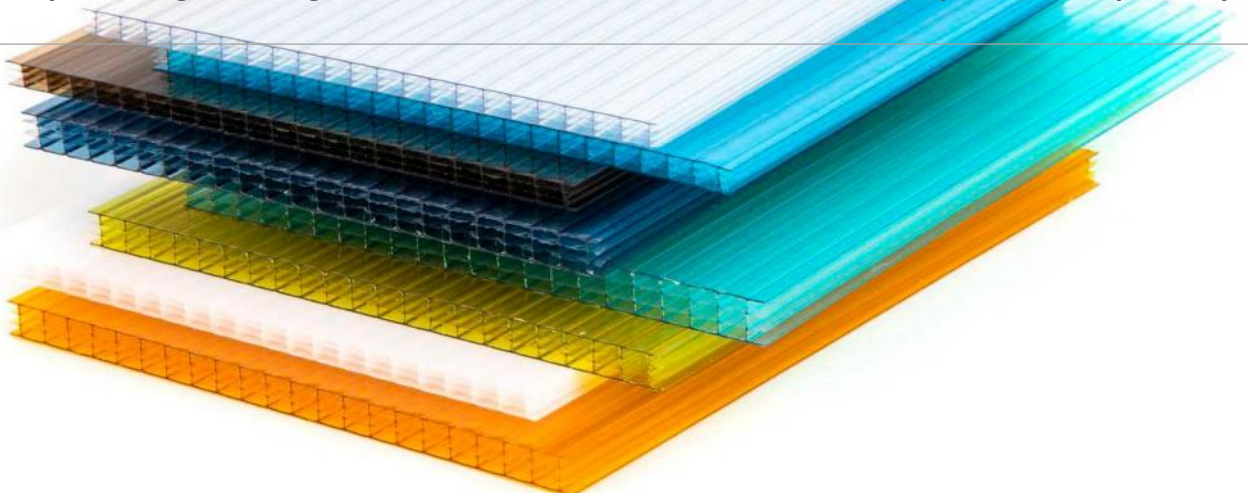
(THE PART BELOW IS BLANK)



How long is one hour of xenon lamp accelerated weathering test chamber equivalent to outdoor environment?

Here is a recommended time point for you: 500 hours is equivalent to one year in real time, of course, this is for reference only!

At present, there is no clear international formula for the conversion ratio between experimental time and real environment, and it is impossible to provide it. Because the annual radiation values, temperature, and humidity data vary from region to region, even within the same area, the data may differ from year to year.



# INSTALLATION GUIDE

- 1、 STORAGE:** Sheets should be stored in a cool and dry place. Exposure to the sun (the protective film will be difficult to remove), rain, and direct stacking on the concrete floor are strictly prohibited.
- 2、 SEALANT:** Use neutral silicone sealant, and it is strictly forbidden to replace it with acid-alkaline glass glue. If damage occurs in this situation, warranty is void.
- 3、 SCREW FIXATION:** When installing the sheets with screws, special waterproof gaskets must be used, and self-tapping screws cannot be directly driven into the sheet surface. Each screw hole position on the sheet needs to be pre-drilled, and the diameter of the drilled hole should be 4mm larger than the screw diameter to allow for thermal expansion, providing enough space to allow for seasonal temperature fluctuation.
- 4、 USE ENVIRONMENT:** The sheet is afraid of acid and alkali, and can not directly touch the concrete brick wall, and can not be used in acid or alkali materials and gas environments.



PC“H”PROFILES



HCP CONNECTOR PROFILES



PC“U”PROFILES



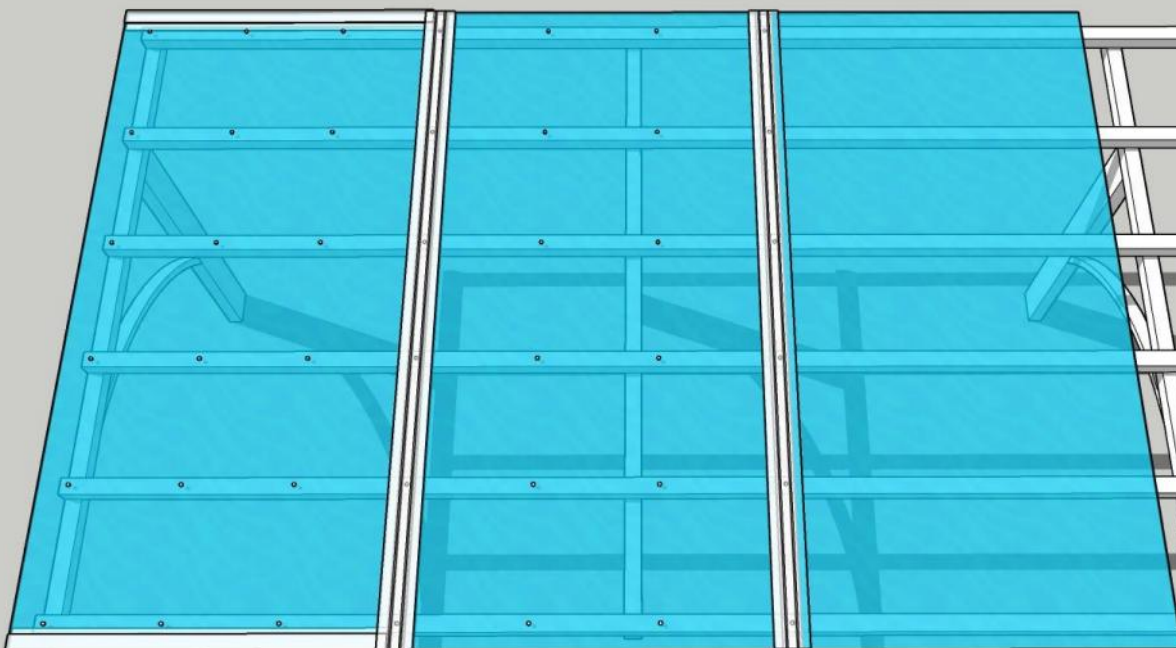
WATERPROOF SCREWS



ANTIDUST TAPES



NEUTRAL SILICONE SEALANT



SKETCH MAP



E-Mail: [polycarbonatesheet@qq.com](mailto:polycarbonatesheet@qq.com)