

Certified System  
Quality Management System  
ISO 9001 : 2015  
Lic no : QEC 21629  
SAI GLOBAL

Certified System  
Environmental Management System  
ISO 14001 : 2015  
Lic no : EMS 41103  
SAI GLOBAL

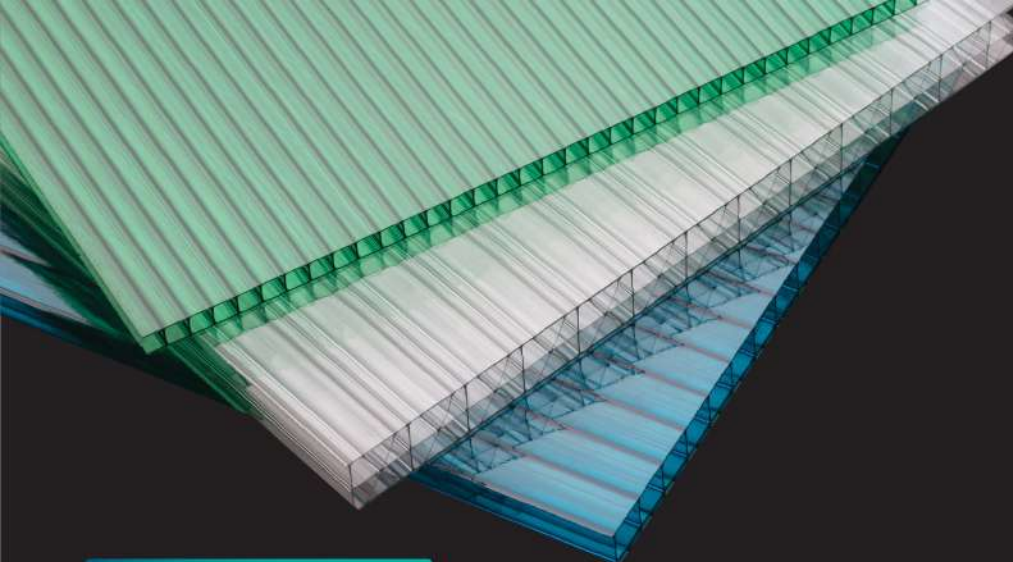


**TWIN**  
Premium Multiwall Polycarbonate Sheet

**Lite**<sup>®</sup>  
**GEN 2.0**

» **STRONGER**  
» **BETTER WEATHER RESISTANT**





## How Twinlite® Gen 2.0

Twinlite® Gen 2.0 reflects sunlight heat while at the same time still letting the light in; allowing people underneath to feel comfortable and to enjoy sufficient light.

## A Perfect Combination of Technology, Quality, and Beauty

**Twinlite® Gen 2.0 is a new generation of Twinlite, a result of our continuous improvements to give you a better product.**

The new Twinlite® Gen 2.0 is re-formulated to resist harsh weather condition, and redesigned to deliver unique benefits like superior impact, wind, and water resistance.

Produced using the most advanced and proven technology to date, Twinlite® Gen 2.0 combines the sleek look of a multiwall polycarbonate sheet with the strength and versatility for enduring elegance.

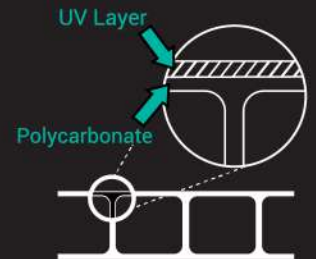
For you who live the green life, the superior clarity of Twinlite® Gen 2.0 could be an option for your natural lighting need, while its double/triple walls feature makes it an excellent thermal insulation to save your air condition cost.

Twinlite® Gen 2.0 offers superior durability, unmatched design flexibility and structural integrity that surpasses other glazing material.

Twinlite is the right choice for almost any demanding glazing application.

## Co-Extruded UV Layer

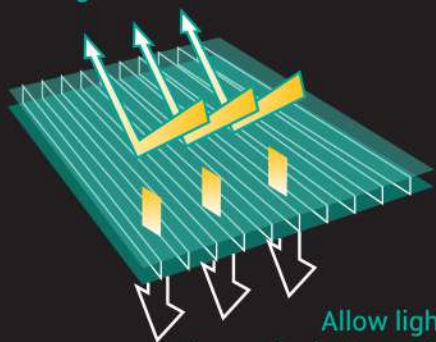
Besides protecting the people underneath from the harmful UV rays, the co-extruded UV layer on Twinlite® Gen 2.0's surface enhances its durability outdoor, preventing it from getting yellowing, discolored, and brittle for a long period of time.



## More Advantages of Twinlite® Gen 2.0

- » Reduce Heat without sacrificing light transmission
- » Absorbs almost 100% of sunlight UV radiation
- » Natural lighting, electricity and energy saving
- » 250 times stronger than glass
- » 20 times stronger than acrylic
- » Very light, yet virtually unbreakable
- » Withstand temperature changes from -20°C to 120°C

Reflect back  
sunlight heat



Allow light  
transmission to go in

## Standard Sizes

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THICKNESS	WIDTH	LENGTH*	GRAMMAGE
5 mm	2.1 m	11.8 m	1100 g/m2
6 mm	2.1 m	11.8 m	1300 g/m2
10 mm	2.1 m	11.8 m	1700 g/m2
16 mm*	2.1 m	12 m	2700 g/m2

\*Available in triplewall, X structure

\*Length can be customized according to your need, subject to minimum order quantity

## Light & Heat Transmission

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COLOR	LIGHT TRANSMISSION		HEAT TRANSMISSION	
Cool Grey	8%	*8%	22.96%	*49%
Cool Bronze	20%	*19%	28.51%	*73%
Silver Milenium	21%	*19%	7.25%	*17%
Cool Blue	35%	*32%	37.16%	*67%
Cool Green	35%	*34%	35.56%	*70%
Opal	26%	*19%	0.30%	*34%
Tosca	50%	*47%	44.39%	*78%
Clear	87%	*90%	60.31%	*79%

\*Above data applies for Twinlite® Gen 2.0 - 6mm only

# Installation Guidance

- » Always install the UV protected side facing the sun (marked by the **UV SIDE** logo printed on the masking film). Before installation, do not remove the masking film. After installation, masking film should be removed, maximum in 2 days time.  
*Caution : misplacing the UV side may void the warranty of sheets.*
- » A fine tooth saw or sharp knife can be used to cut the sheets. After cutting please clean the debris from the sheets.
- » Always install the sheets with the flutes facing vertically. Allow at least 5° slope to allow water flows, especially for roofing applications.
- » Holes should be drilled at the range of 2 mm - 6 mm (depending on the thickness) from diameter of fasteners to allow thermal expansion during noon time and contraction during night time.
- » During installation, flute edges should be sealed with polycarbonate profiles to avoid leakage, dirt, and fungus from residing within the sheet walls.
- » We supply polycarbonate profiles for use with Twinlite® Gen 2.0, available in H and U profiles.

# Sealant

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We recommend using OCI® Silicone sealant or other neutral sealant that is suitable for polycarbonate.

Please check compatibility to polycarbonate before using other sealants.

*Caution : Never use PVC gasket. PVC is incompatible to Polycarbonate, and will harm the panel. Damage caused by this will nullify the warranty.*

# Bending Installation

For bending installation, please see the below radius table :

THICKNESS	MINIMUM RADIUS
5 mm	750 mm
6 mm	900 mm
10 mm	1500 mm
16 mm	2400 mm

