



 **Macrolux**<sup>®</sup>

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**IQ SELECTIVE**  
**POLYCARBONATE MULTI WALL PANEL**  
GREENHOUSE COVERING  
DESIGNED FOR GARDEN CENTERS



## HIGH PERFORMANCE MULTI WALL POLYCARBONATE GREENHOUSE COVERING

Macrolux® Multi Wall / IQ Selective Polycarbonate Sheet is designed with the optimal combination of high light transmission and low heat gain. The sheet resin effectively reflects IR rays that cause undesirable heat gain and blocks damaging UV rays, yet allows passage of high levels of visible blue and red light spectrum necessary for plant life. These attractive features enhance the photosynthesis process for healthier plants while creating a cooler, more comfortable retail or work environment.

IQ Selective polycarbonate greenhouse covering offers the proper light transmission for plants while reflecting the solar energy which makes the garden center a comfortable shopping area. IQ Selective is suited for bedding plants as well as tropical and propagation materials.

IQ Selective multi wall panels are also available with the No Drip anti condensation feature that offers long term protection against the formation of condensation droplets on the roof which can cause plant damage and spread disease.

Macrolux® Multi / IQ Selective panels are manufactured by IMSA Plastics with state-of-the-art technology.

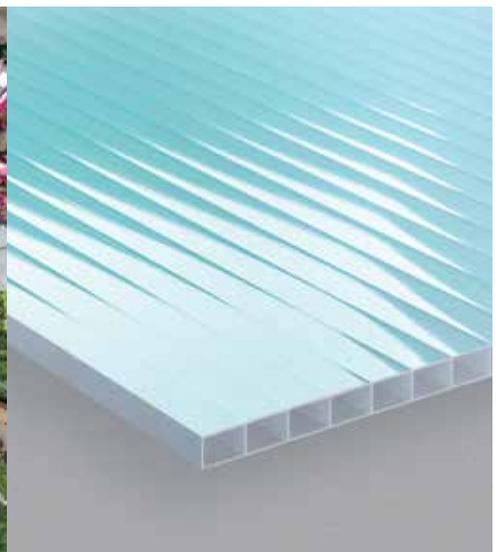
### Advantages

- Reduces excess heat.
- Lets in high quality light.
- High light transmission.
- Enhances photosynthesis.
- UV resistance.

### Benefits



- Savings in water use, operating and labor costs.
- Sustainable.
- Qualifies for LEED credits.
- 15 year limited warranty against loss of light transmission from yellowing and breakage caused by hail.



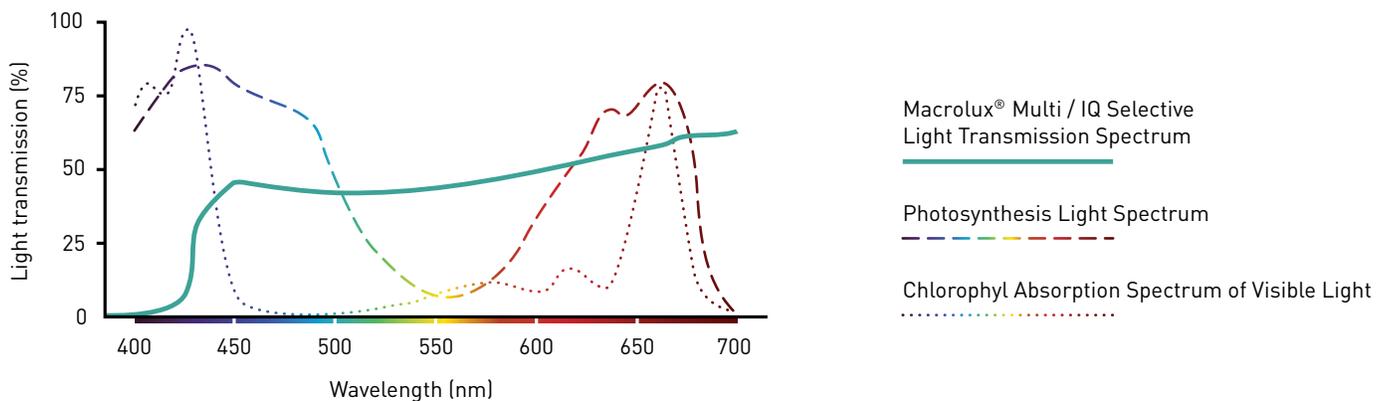
## Product details

VARIETY	PROFILE	THICKNESS	LAYER
Twin Wall		5/16" (8 mm)	Standard (UV) / No Drip

## Physical and technical characteristics

THICKNESS	WIDTH	WEIGHT (lb/ft <sup>2</sup> )	LIGHT TRANSMISSION % (ASTM D1003)	COLD BENDING RADIUS	U-VALUE	SOLAR REFLECTION	SHADING COEFFICIENT SC	SOLAR HEAT GAIN COEFFICIENT
5/16" (8 mm)	48", 72" (1.22 m, 1.83 m)	0.31	50%	49.2" (1.25m)	0.58	0.295	0.65	0.56

## IQ Selective technology



## Applications

### GARDEN CENTERS

- Designed for retail garden centers.
- Excellent alternative for greenhouses and garden centers that require light diffusion and heat reduction.



## 15 Year Limited Warranty

Macrolux® Multi Wall sheets are available in 15 Year Limited Warranty against loss of light transmission caused by yellowing and breakage caused by hail.

The polycarbonate panels come with UV coextruded protection on the exterior surface. This protection will prevent the sheets from discoloration and degradation causing the sheet to become brittle and lose light transmission. Two sided co-extruded UV protection is available as well as the “No Drip” anti condensate feature.

Virtually unbreakable, the Macrolux® Multi Wall sheets will withstand breakage caused by hail stones of up to 23 mm in diameter for the life of the warranty.

Macrolux® PC greenhouse covering prevents the transmission of over 99.9% of harmful radiation resulting from UV rays. It maintains its mechanical and structural integrity under extreme weather conditions (up to 248 °F).

### Special Notes:

1. The installation must comply with the IMSA Plastics guidelines for warranty to be valid. Local authorization may be required.
2. Installation guidelines available on request.

For additional information or questions contact Macrolux USA at 800.888.5364.



This information and our product application recommendations are illustrative and must be verified for each project. The pictures presented are merely illustrative.