



THERMAGLAS® SLT

Multi-Wall PC with Selective Light Transmission



Glazing



Construction



Agriculture

ThermaGlas SLT is engineered for use on enclosures where plants materials must thrive, and where people must feel comfortable. Examples of such structures include retail garden centers and commercial greenhouse packing sheds or holding facilities.

► Overview

ThermaGlas SLT features Selective Light Transmission™ resin technology that is designed to absorb the sun's harmful UV rays, transmit the beneficial wavelengths plants use for growth, and reflect some of the heat-giving infrared wavelengths. The result is high quality light with less stress-inducing heat from the sun.

THERMAGLAS SLT polycarbonate sheets offer all the benefits of polycarbonate glazing, such as high impact resistance, excellent durability, and 99.9% UV blocking.

► Features at a Glance

- Reduces heat from the sun while transmitting valuable PAR light for plant growth
- Reduces shade requirement by minimizing plant stress due to heat
- Irrigation and growth regulator requirements are reduced, as well as related labor costs
- Offers better light quality for plants—and more of it—than other products with pearlescent green or pink coatings, standard white, opal, gray, or bronze pigmented panels
- Selective Light Transmission resins are stable and won't fade or become ineffective over time
- Built-in condensate control
- High light diffusion provides a more comfortable environment for retail customers, or greenhouse laborers



Illustration of Benefits

The solar spectrum bands can be measured by their wavelength. Every band of radiation has its specific effects on living tissues.

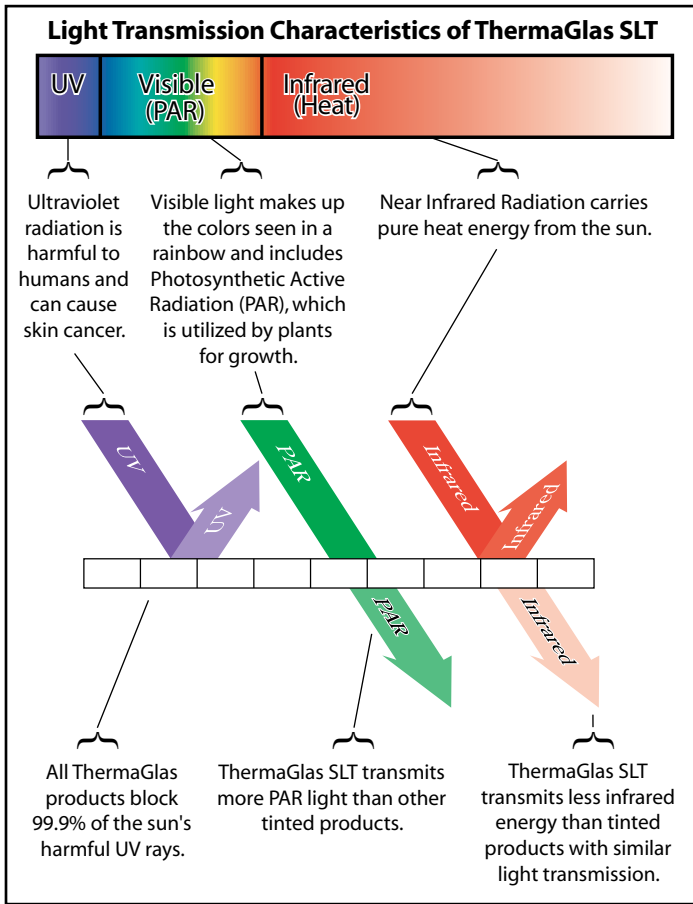


Table of Typical Properties

See the *ThermaGlas Technical and Installation Guide* for additional specifications and details.

Heat Distortion Temperature (264 p.s.i.)	275 °F			
Thermal Expansion Delta T @ 104 °F	0.03 in./ft.			
Light Transmission (ASTM D1003)	60%			
U-Value (Winter Night) Btu/(h·ft ² ·°F)	0.58			
Solar Reflectance	0.29			
Shading Coefficient	0.65			
Solar Heat Gain Coefficient	0.56			
Flammability Rating	CC1			
Service Temperature Range	-40 °F to +250 °F			
Other Properties				
Profile	Sheet Thickness	Sheet Width	Weight	Minimum Radius for Cold Bending
Twin-Wall 	8mm	1830mm	1500 g/m ²	1.4m
	5/16"	72"	.31 lb/sf	55"

Flammability

ThermaGlas sheets are essentially self-extinguishing and comply with the most demanding of international resistance standards defined in the field of plastics, as indicated by the representative results in the table below.

Country	Test Method	Classification
United States	ASTM D-635	CC-1
United States	ASTM E-84-00	Class A
United Kingdom	BS 476/7	Class 1
Germany	DIN 4102	B-1

Installation & Handling

- Store ThermaGlas indoors or under an opaque cover.
- ThermaGlas sheets should be placed on a pallet during storage.
- Do not store ThermaGlas sheets without sealing open ends. This will prevent dust and moisture from entering the ends of the panels.
- Install ThermaGlas sheets in such a way as to permit gravity drainage of rain, water run-off, and condensation that may collect inside the panel.
- Seal the panel ends before installation with compatible impermeable tape and permeable anti-dust tape.
- Use only compatible silicones, gaskets and closures.
- Cut ThermaGlas with a jigsaw or cutting knife.
- Remove the polyethylene protective film IMMEDIATELY after installation to avoid irreversible damage.

Consult the complete "ThermaGlas Technical and Installation Guide" for complete installation and handling information. For more information contact your Authorized Palram Americas Dealer, or visit www.thermaglas.com.

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