



ThermaGlas™ SLT

Multi-Wall PC with SolarSmart™ Heat Reflective Technology



Overview

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

ThermaGlas SLT is designed to reflect heat from the sun (IR radiation) with less shading so that transmission of visible light remains high. 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.

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Main Benefits

- Reduces heat from the sun while transmitting valuable PAR light for plant growth
- Reduces shade requirement by selectively reflecting the sun's heat-giving solar radiation
- Irrigation and growth regulator requirements are reduced, as well as related labor costs
- Better light quality and added heat reduction than competing "cool light" type products
- SolarSmart resins are stable and won't fade or become ineffective over time
- Built-in condensate control
- High light diffusion and reduced heat provides a more comfortable environment for retail customers and greenhouse laborers

Typical Applications

- Retail garden centers
- Commercial greenhouse packing sheds and holding areas



Illustration of Benefits

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

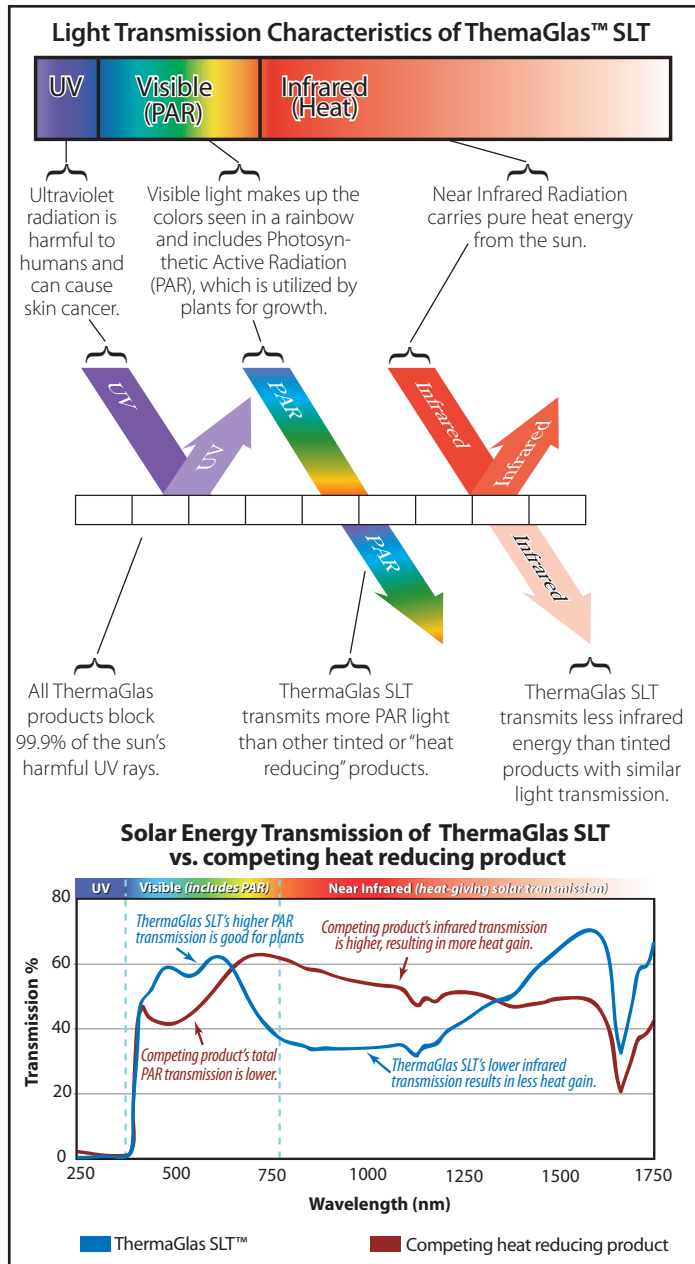


Table of Typical Properties

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

Property	Value
Solar Transmission (ASTM E424-71)	55%
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
Service Temperature Range	-40 °F to +250 °F

Other Properties

Thickness Inches (mm)	Sheet Thickness)	Weight	Minimum Radius for Cold Bending
Twin-Wall Profile 	8mm	500	
	5/16"	400	
	Standard Widths	Optional Widths*	Standard Length†
	1219mm, 1829mm	1200mm, 1810mm	731.5cm
	48", 72"	47.25", 71.25"	24'

* Minimum purchase requirements may apply.

† Lengths up to 48' are available with minimum purchase requirements.

Regulatory Code Compliance Certification

Organization	Standard	Classification*
ASTM International	ASTM D-635	CC-1
ASTM International	ASTM E-84-00	Class A
BSI (UK)	BS 476/7	Class 1
DIN (Germany)	DIN 4102	B-1

*Depends on thickness

Installation

For detailed installation information, consult our ThermoGlas Technical and Installation Guide (Form# 3201).



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