



THERMAGLAS® SolarSoft™ 80

Light Diffusing Multi-Wall Structured Polycarbonate Sheets

ThermaGlas SolarSoft features all the advanced technology of ThermaGlas Plus, such as 100% UV protection and guaranteed condensate control, but with SolarSoft pigmentation, you reap the benefits of up to 95% light diffusion.

► Overview

Solarsoft diffuses light that is transmitted through the sheet, while still transmitting a high level of PAR light (80%). The mechanical properties of ThermaGlas SolarSoft can be considered the same as other types of ThermaGlas, such as Clear or White/Opal.

Diffusing the sun's direct radiation has been found to be beneficial for plants. With ThermaGlas SolarSoft, plants or flowers get very high levels of PAR light, but direct radiation of infrared is removed, which helps to reduce leaf temperature and plant burning. Furthermore, light penetrates deeper into the canopy, improving plant growth.



SolarSoft can also be beneficial for humans. A person standing under ThermaGlas SolarSoft, while receiving almost the same amount of light as with Clear, will not feel harsh heat-giving radiation from the sun, and therefore will feel much more comfortable.

The SolarSoft resin component is UV protected with the same co-extrusion protection as all other ThermaGlas products (99.9% UV protection).



► Features at a Glance

- Superb thermal insulation—saves energy
- Impact resistance—virtually unbreakable
- Light weight
- Weather and UV resistant
- Low flammability (available with CC1 rating)
- Easy to install using ordinary tools
- Capable of cold-forming to an arch
- Wide service temperature range
- 10 year limited warranty



High PAR Light Transmission with Improved Diffusion

Benefits of SolarSoft


- High PAR light transmission
- Diffused, softer light
- Less shadows cast by structural members and/or curtain systems
- Deeper penetration of light into the plant canopy
- 100% UV protection

The table below shows a comparison of ThermoGlas Clear, White/Opal and SolarSoft products:

Property	Type of ThermoGlas and Pigmentation		
	Clear	SolarSoft 80	White/Opal
Light Transmission	80%	80%	45%
Diffusion (Haze)	22%	95%	100%

Table of Typical Properties

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

Other Properties			
Twin-Wall Profile 	Sheet Thickness	Weight	Minimum Radius for Cold Bending
	8mm	1500 g/m ²	1.4m
	5/16"	.31 lb/sf	55"
	Standard Widths	Optional Widths*	Standard Length [†]
48", 72"	47.25", 71.25"	24'	

* Minimum purchase requirements may apply.

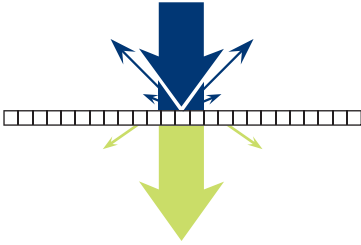
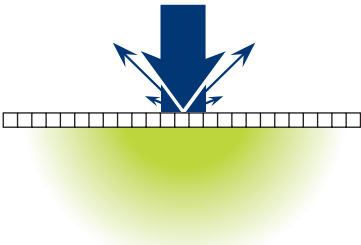
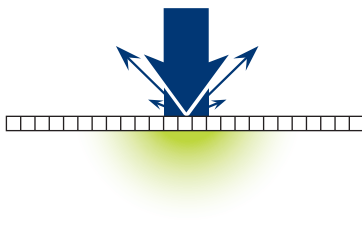
† Lengths up to 48' are available with minimum purchase requirements. Installed lengths are recommended to be 24' or less.

Installation

For detailed installation information, consult our SUNLITE Manual (Form #1203).

Warranty

ThermaGlas features a 10 year warranty against loss of light transmission due to yellowing, damage due to hail impact, and for condensation control performance (see warranty for details).

Light Transmission Characteristics of ThermoGlas Products		
Clear	SolarSoft 80	White/Opal
		
80% PAR Light Transmission 22% Diffusion (Haze)	80% PAR Light Transmission 95% Diffusion (Haze)	45% PAR Light Transmission 100% Diffusion (Haze)

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