

*"Best Insulation and Light
Diffusion Available!"*

Solexx™

Twin-Wall Flexible Greenhouse Covering

FEATURES AT A GLANCE

- Best choice for insulation on the market! *(see reverse for details)*
- 100% diffuse light—accelerated growth with no burning or shadows
- Protects plants from the harshest weather conditions
- UV protection throughout the extrusion
- Does not yellow or reduce light transmission over time
- Installs horizontally or vertically for less waste
- Easily flexes or bends around peaks
- Fits all greenhouse styles/types
- Easy installation, simply overlap and screw in place
- Easily cleaned and disinfected, will not grow moss or mildew
- Available in continuous rolls up to 900' long—fewer seams



ADAPTIVEplastics™

Save time and money...

When growers choose Solexx to cover new or existing structures, they protect their investment and enjoy a better bottom line. Lower heating costs and accelerated plant growth mean higher profits with Solexx twin-wall, high-density polyethylene panels. The panels provide incredible strength and durability for years of maintenance-free use—putting an end to annual



repair and replacement costs.

Solexx panels provide 100% diffuse light, maximizing growth while eliminating burning and shadows. Studies show diffuse light increases plant health and accelerates growth, so plants are ready for market up to 25% faster. Solexx panels (with 2.3 R Value) have more insulation than 8mm triple wall polycarbonate. With these energy savings alone, the ROI can be as little as 1 ½ to 3 years. For maximum savings, Solexx qualifies for energy rebates where available. Contact us for details.

1-877-476-5399

www.adaptiveplastics.com



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HEAT LOSS COMPARISON

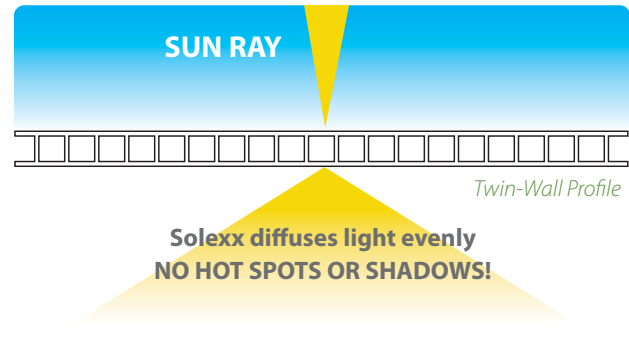
Solexx Twin-Wall Greenhouse Cover ratings obtained through independent lab testing with caulked flutes.

Greenhouse Covering	R-Value	U-Value
5.0mm SOLEXX	2.30	0.43
3.5mm SOLEXX	2.10	0.48
8mm Triple Wall Polycarbonate	2.00	0.50
Double Pane Storm Windows	2.00	0.50
10mm Twin-Wall Polycarbonate	1.89	0.53
Double Polyethylene Film 6mil*	1.70	0.60
8mm Twin-Wall Polycarbonate	1.60	0.63
6mm Twin-Wall Polycarbonate	1.54	0.65
Double Polyethylene Film 5mil*	1.50	0.70
4mm Twin-Wall Polycarbonate	1.43	0.70
Single Pane Glass, 3mm	0.95	1.05
Corrugated Polycarbonate	0.88	1.14
Polyethylene Film 6mil	0.83	1.20
Corrugated Fiberglass	0.64	1.56

* Requires constant inflation to maintain R-Value.

LIGHT TRANSMISSION

Solexx diffuses light softly and evenly for the conditions plants love most.



AVAILABLE SIZES

- 49.5"W x 400'L or 900'L, 3.5mm*
- 49.5"W x 300'L or 600'L, 5mm*
- 52"W x 300'L, 5mm*
- 65"W x 300'L, 5mm
- 77.5"W x 300'L, 5mm

* Custom cut lengths available.

TYPICAL PROPERTIES

For additional specifications please consult an Adaptive Plastics representative or go to www.adaptiveplastics.com.

Test Results

		5.0mm	3.5mm
Light Diffusion Percent	ASTM D1003	100.0	98.4
Light Transmission	ASTM D1003	75-80	75-80
Solar Reflectance	ASTM E903	22.1	22.2
Shading Coefficient	ASTM E903	0.764	0.804
Solar Heat Gain Coefficient	ASTM E903	0.665	0.699
Yellow Index	ASTM E903	12.853	10.032
Heat Deflection Temperature	ASTM D648	118°F @ 66 psi	113°F @ 66 psi
Tensile Strength at Yield	ASTM D638	766 psi	603 psi
Flexural Modulus	ASTM D790	66,862 psi	58,168 psi
Flammability Rating	ASTM D635-74	HB, CC2	N/A

ADAPTIVEplastics™

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INSTALLATION

For detailed installation instructions please consult an Adaptive Plastics representative or go to the Adaptive Plastics website.