

UV Rays . . . Hail . . . Cold We're Your Best Defense

MACROLUX® MULTIWALL & ROOFLITE® CORRUGATED POLYCARBONATE SHEETS



Providing the Ultimate in Safety from the Elements

Greenhouse Protection

With up to 90% light transmission, U.V. protection and exceptional resistance to aging, Macrolux® multiwall and Rooflite® corrugated sheets provide an optimal growing environment. For greater protection we also offer products with condensation control to minimize fungus and bacteria growth. Able to withstand extreme abuse, the impact strength of Macrolux® and Rooflite®



sheets is greater than fiberglass, glass and acrylic. The twin and triple wall construction of the Macrolux® multiwall sheet gives excellent thermal insulating values where temperature is of critical concern.



Brite-Lite™

This glass modified polycarbonate multiwall and corrugated sheeting has enhanced abrasion resistance while offering all of the same features of our

standard co-extruded U.V. exterior surface protection. Brite-Lite also provides greatly increased light diffusion with high light transmission.

Warranty Against Yellowing and Hail Damage

Strong, flexible and light in weight, Macrolux comes with a full 10 year warranty against change in light transmission or yellowing.

Always use the proper tools . . .

A greenhouse which is covered with polycarbonate sheet from Co-Ex will provide a safe growing environment for your crop. Make the investment in your future today. Call our friendly customer service department for more details!



CO-EX
CORPORATION
5 Alexander Drive, Wallingford, CT 06492

tel: 800/888-5364
203/679-0500
fax: 203/679-0600
web: www.co-excorp.com
e-mail: coexcorp@aol.com

Macrolux®

MULTIWALL

CO-EXTRUSION

Macrolux® multiwall polycarbonate sheet is a twin or triple walled sheet offering a U.V. protective outer surface. It features an insulation value 40% better than single pane glass while transmitting 83% of visible light. It complies with major building codes, is U.V. resistant, has high impact strength and is easily formed or cut on site.

You save energy while letting in natural light! Macrolux® multiwall sheet is a warranted building product which is code approved, light weight and easily fabricated. It offers design flexibility with greatly reduced installation time.

Macrolux® multiwall sheet is ideal for sloped glazing, curved and cold formed barrel vaults, greenhouses, enclosures, displays, signs and much more.

Co-Ex Corporation also manufactures Macrolux® *Brite-Lite™* multi-wall sheet in a glass modified version. It offers increased light diffusion with a more abrasion resistant surface. Macrolux® *Brite-Lite™* is available in all thicknesses and colors.

ENERGY SAVING

Macrolux® co-extruded sheet also offers high thermal resistance, promoting energy savings of up to 60% over traditional glazing.

TWIN WALL SHEET THICKNESS					
	mm	4.5	6	8	10
	inch	3/16	1/4	5/16	3/8
Light Transmission	Clear	83%	82%	81%	80%
	Bronze	55%	54%	52%	50%
	Opal	71%	70%	66%	62%
	U Factor	.69	.63	.60	.56
	R-Value	1.45	1.59	1.67	1.79

TRIPLE WALL SHEET THICKNESS			
	mm	10	16
	inch	3/8	5/8
Light Transmission	Clear	79%	76%
	Bronze	48%	42%
	Opal	58%	50%
	U Factor	.54	.40
	R-Value	1.85	2.50

IMPACT RESISTANCE

Macrolux® is so strong it withstands the impact of 16 lbs. dropped 25 feet on an 8 mm panel with no breakage. It will maintain its mechanical properties over a wide temperature range from - 40°F to 250°F.

WARRANTY

Macrolux® multiwall and *Rooflite®* corrugated sheets are backed by a warranty on light transmission and breakage caused by hail.

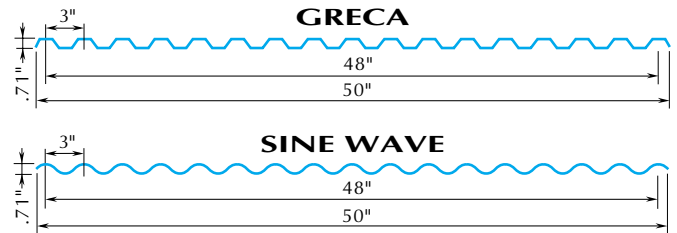
Rooflite®

CORRUGATED

FEATURES

Rooflite® corrugated polycarbonate sheet features a combination of unique qualities including; high impact strength, high light transmission, flexibility, light in weight and transparent under a wide temperature range. These properties make *Rooflite®* a leading product in the commercial greenhouse industry as well as in the Do-It-Yourself market. It is widely used for partitions, canopies, shelters, industrial glazing, skylights and much more!

U.V. protection is extruded into the surface with a co-extruded surface treatment and is warranted for 10 years. A glass modified version with *Brite-Lite™* feature is also available where increased light diffusion, surface hardness and increased abrasions resistance is desired.



Overall Width	50"	
Overall Length	up to 39'	
Net Coverage	48"	
Pitch	3"	
Depth	.71"	
Thickness	.031"	
Light Transmission ASTM-D1003 (%)	Clear	90%
	Bronze	37%
	Opal	52%
	Clear Textured (light diffusing)	88%
Coefficient of Thermal Expansion (in/in/°F)	3.75×10^{-5}	
U.V. Transmission	0	
Minimum Bending Radius (Ft./1 Inch)	13'	
U Factor (BTU/hr.- ft.²F)	1.20	

AGRICULTURAL: for greenhouse coverings where high light transmission and good thermal insulation is necessary. *Rooflite®* corrugated sheet offers exceptional resistance to aging.

INDUSTRIAL BUILDINGS & SPORTS ARENAS: for various glazing applications including sheds, windows, skylights, shelters, walkway covers and light diffusing roofing.

HOME IMPROVEMENT & PERSONAL USES: for easy do-it-yourself projects like shower enclosures, hobby greenhouses, patio covers, carports, awnings and more.

DISTRIBUTED BY:

- Virtually Unbreakable
- Lightweight
- Self Extinguishing
- Highly Flexible for Bending
- Resistant to Aging
- Energy Saving/U.V. Shield