



**NEW**

**Rooflite** **NEW GEN**  
CORRUGATED POLYCARBONATE

**15 YEAR  
WARRANTY**

**Contributes  
to Increased  
Greenhouse  
Productivity**



**Rooflite® NEWGEN Series**  
Corrugated Polycarbonate Sheet



**CO-EX**  
CORPORATION

*Enlightened Design  
Precision Engineering*

# Introducing Rooflite® NEWGEN Corrugated Sheet

## Rooflite® NEWGEN CORRUGATED POLYCARBONATE

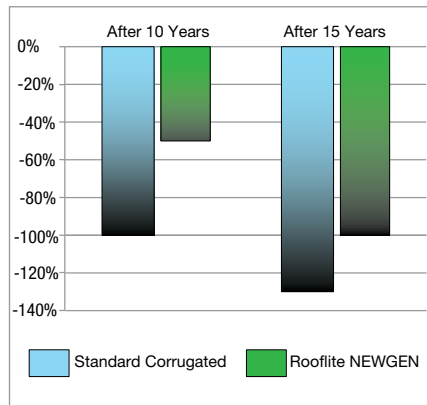
### 15 YEAR WARRANTY

CO-EX introduces an industry first... a 15 year warranty on Rooflite® NEWGEN corrugated Greca polycarbonate sheet. This new polycarbonate sheet has been developed by our continuous innovation process and R&D efforts to bring the highest quality polycarbonate products to the market. All the features of our standard Rooflite® product are now available in our Rooflite® NEWGEN covered by a 15 year limited warranty.

### HOW DO WE DO IT?

An innovative, newly developed co-extrusion process provides an improved protection layer on the corrugated sheet. It significantly reduces sheet degradation over time compared to standard polycarbonate products. This translates directly into less yellowing, improved light transmission and better mechanical properties over time.

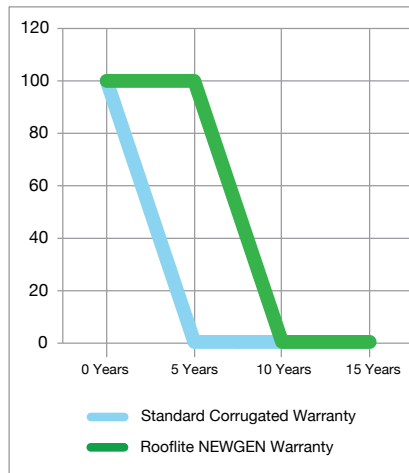
### RELATIVE LIGHT TRANSMISSION LOSS



### IMPROVED LIGHT TRANSMISSION

Rooflite® NEWGEN Greca corrugated polycarbonate sheet transmits 90% of visual light. With time, light transmission characteristics normally degrade when the sheets are exposed to the environment. In standard products, light transmission is reduced by as much as 10% over a 10 year span. In our Rooflite® NEWGEN product, the light transmission degradation is less than 50% in 10 years compared to the standard product. This improved light transmission in our Rooflite® NEWGEN contributes to enhanced greenhouse productivity, maximizing the value for your bottom line.

### HAIL RESISTANCE



### HAIL RESISTANCE

Thanks to significant improvement in Rooflite® NEWGEN's mechanical properties performance over time, CO-EX can provide a hail damage warranty up to 10 years. This exceeds the standard hail warranty in the market.

### UV PROTECTION

NEWGEN also blocks the penetration of harmful UV rays. This translates to optimal growing light for your crops and house plants. This UV protection also creates a protected bright environment for people and animals. It will not fade interiors nor burn precious seedlings. It meets the requirements of approved light transmitting plastic under the Uniform Building Code as recognized by ICBO, BOCA and SBCC.

### LIGHTWEIGHT - STRONG & DURABLE

At just 1/8 the weight of glass, our corrugated sheets do not require the extensive structural support that a heavier glass wall or skylight might need.

Our polycarbonate is also amazingly strong (with an impact resistance 20 times stronger than fiberglass and over 120 times stronger than glass) for excellent resistance to damage from hail and wind-borne debris or vandalism.

### CONDENSATION CONTROL

Reducing surface tension, our factory applied condensation control allows water to spread into a thin sheet that easily evaporates rather than form into damaging droplets.

### TEMPERATURE PERFORMANCE

Rooflite® NEWGEN is suitable for use in all climates. It is appropriate for use in temperatures from -40°F to 250°F.

### SOLAR ENERGY PERFORMANCE

Standard flat glazing reflects solar light and energy, particularly when the sun is at a steep angle in the early morning and late afternoon. Rooflite® NEWGEN's profiles are engineered to capture angled light for increased solar heat gain during colder winter months to save energy costs in greenhouses and other structures.

TECHNICAL DATA	
Overall Width	50"
Overall Length	up to 39'
Net Coverage	48"
Pitch	3"
Depth	.71"

Thickness	.031"	
Light Transmission ASTM-D1003 (%)	Clear	90%
Coefficient of Thermal Expansion (in/in/°F)	3.75 x 10 <sup>-5</sup>	
U.V. Transmission	0	
Minimum Bending Radius (Ft./1 In.)	13'	
U Factor (BTU/hr.- ft. <sup>2</sup> F)	1.20	



Swiss made quality polycarbonate panels.

Call today for more info!  
(800) 888-5364



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