

Polycarbonate Window System

"Lighter, Stronger, & Less Expensive than Glass!"

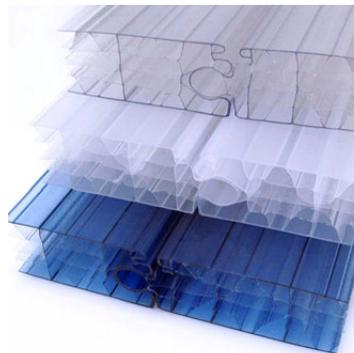


LEXAN™ THERMOCLICK™ Interlocking Polycarbonate Sheets provide the building and construction industry with new passive design strategies for increased energy efficiency in living and working environments. LEXAN™ THERMOCLICK™ sheets allow for designs that are visually striking yet extremely practical. Installation costs are low because this multiwall product is designed using custom-made configurations for fast on-site assembly. A polycarbonate window system is an excellent alternative to traditional glazing applications such as glass curtain walls.

Polycarbonate is lighter, easier to install, and less expensive than glass.

Virtually unbreakable, polycarbonate is 200 times stronger than glass and will not shatter.

Polycarbonate provides excellent thermal insulation, high visual light transmittance, and quality diffused light.



ENERGY SAVINGS

Double Pane Glass
 R-Value = 1.72

40mm THERMOCLICK™
 R-Value = 4



LEXAN™ Tough
 Virtually
 Unbreakable
 Polycarbonate Sheet
LEXAN is a trademark of SABIC

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LEXAN™ THERMOCLICK™ 40mm Interlocking Polycarbonate Sheet features a unique 5-wall X-structure profile with a specially designed tongue and groove connection and an enhanced fix-key section, providing better loading performance.

This high performance sheet has excellent thermal insulation properties which can lead to substantial energy savings. The UV protected outer surface maintains long-term weather resistance. LEXAN™ THERMOCLICK™ sheet in 40mm thickness also offers high impact strength and breakage resistance as well as good light transmission and light diffusion characteristics.

This lightweight interconnecting sheet includes a groove for double-sided tie on the inside and eliminates the need for vertical profiles, reducing material and labor costs while enhancing aesthetics. LEXAN™ THERMOCLICK™ 40mm sheet offers a ten (10) year limited written warranty against the loss of light transmission, discoloration, and breakage.

Glazing Comparison	Weight sq.ft.	R-Value	Impact Strength	Light Diffusion	Cost Comparison (%)	Install Time
THERMOCLICK™ 40mm (3' X 15' Clear Sample)	.87 lbs	4	Poly is 200 times stronger than glass	Poly eliminates glare & hotspots Glass does not	Typically, total \$\$ of Poly Window System is a 20% savings over Glass	Up to 50% savings in labor/time Poly Window System vs. Glass
DOUBLE PANE GLASS (3' X 15' Clear Sample)	26.22 lbs*	1.72				
TRIPLE PANE GLASS (3' X 15' Clear Sample)	39.33 lbs*	1.89				

* Based on single pane of 1" thick glass weighing 13.11 lbs | Note: 'Poly' is short for Polycarbonate

COST BENEFITS:

Polycarbonate requires less structural support than glass, saving material, time, and labor costs.

Energy efficiency offered by multiwall polycarbonate = long-term cost savings.

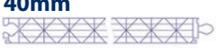
STRENGTH AND SAFETY:

Polycarbonate has a higher impact strength than glass and is shatterproof.

INSTALLATION BENEFITS:

Polycarbonate weighs a fraction of glass. Glass is heavy, increasing the chances of damage during fabrication, handling, and transportation.

Because polycarbonate is light weight and highly flexible, sheets are easy to handle, install, and can be cold-formed or fabricated on-site.

Product	Width	Length	Thickness	Weight sq. ft	Hail Impact	Temperature Resist	R-Value / U-Value
40mm 	19.68"	38.7'	1.57"	0.82	diam 0.79" v > 69 ft/sec	-40 up to 212°F	R-4 / U-0.25

Aluminum (6005A-T5) install components provide an easy and effective installation. This simple trim system is not thermally broken.

Note: Typical trim wall thickness is .080"



Call today for add'l product info & pricing. ACAD drawings available for panel & trim.



Distributed By:

AmeriLux International is a leading distributor & fabricator of a broad range of multiwall polycarbonate, corrugated polycarbonate, PVC sheet and liner panels.

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