

## Translucent Polycarbonate Facades

"Lighter, Stronger, & Less Expensive than Glass"



While there are many benefits to designing with daylighting and energy efficiency in mind, it also presents many architectural challenges.

LEXAN™ THERMOCLICK™ polycarbonate sheets provide architects and designers with a glazing product that meets today's demands for creating eco-friendly living and working environments.

This high-performance interlocking sheet system not only helps to reduce heating and cooling costs, but also cuts energy usage and CO2 emissions which benefits

the environment.

**LEXAN™ THERMOCLICK™ interlocking polycarbonate sheets are a great alternative to glass facades.**

Glass can be both heavy and fragile, making it difficult to transport and work with. LEXAN™ THERMOCLICK™ weighs a fraction of glass. These lightweight polycarbonate sheets are easy to handle, simple to install, and can be fabricated on-site.

The LEXAN™ THERMOCLICK™ interlocking sheet features a specially designed tongue and groove connection. This inter-connecting system eliminates the need for vertical profiles — saving material, time, and labor costs while enhancing aesthetics.

Installation costs are also lower than glass because the LEXAN™ THERMOCLICK™ sheet requires less structural support and is designed using custom-made configurations for fast assembly. LEXAN™ THERMOCLICK™ sheets allow for designs that are visually striking yet extremely practical.

When it comes to strength and safety, these exceptionally durable polycarbonate sheets have a higher breakage resistance than standard glass. LEXAN™ THERMOCLICK™ is impact and shatter resistant. THERMOCLICK™ sheets are strong and will not break into sharp pieces if accidentally dropped during transportation or installation.



Glass glazing often creates unwanted glare and hot spots whereas LEXAN™ THERMOCLICK™ sheets diffuse the sun's light. Studies show that soft, natural light enhances productivity, creativity, and overall well-being.



In addition, the sheet's UV-protected outer surface provides protection from harmful ultraviolet rays and long-term weather resistance, retaining its high light transmittance for many years.



Available in a wide range of colors, LEXAN™ THERMOCLICK™ interlocking polycarbonate sheets are engineered to suit many cladding applications including warehouses, office towers, libraries, hotels, restaurants, malls, stadiums, auditoriums, museums, community centers, and residential apartment buildings.

[Click here to download the polycarbonate window system brochure for more product and technical information.](#)

*LEXAN THERMOCLICK is a trademark of SABIC*

## Featured Product

LEXAN™ THERMOCLICK™

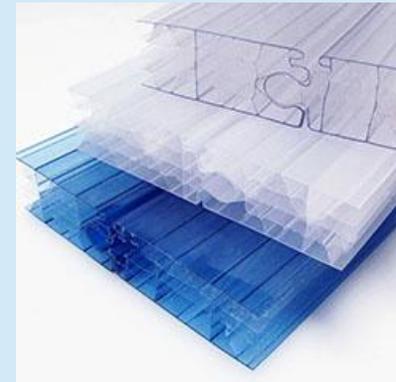
LEXAN™ THERMOCLICK™ interlocking polycarbonate sheets are impact resistant, energy-saving multiwall sheets with a specially designed tongue and groove connection. This inter-connecting system eliminates the need for vertical profiles, thereby saving costs and enhancing aesthetics.

- **UV Protected Outer Surface**
- **Good Light Transmission & Diffusion**
- **Superb Thermal Insulation Properties**
- **High Impact Strength & Breakage Resistance**
- **Simple, Fast, & Easy On-Site Installation**

Stocked in clear, opal and blue, these high-performance polycarbonate sheets allow for architectural designs that are visually striking yet extremely practical.

LEXAN™ THERMOCLICK™ is stocked in 40mm and is also available in a 50mm\* thickness.

*\*LEXAN™ THERMOCLICK™ 50mm is a special order sheet only. Project based with a minimum order quantity of 31,600 square feet. Lead times are based on manufacturer's production schedule.*



LEXAN™ THERMOCLICK™ provides the building and construction industry with a glazing material that meets the demand for increased energy efficiency and is an excellent alternative to glass facades.

[Visit Product Page](#)

## DIY Tip of the Month

Polycarbonate Wind Barrier

Are you looking for a cost-effective way to block the elements from your front porch, entryway, or maybe your back garage

## What are Flutes?

door?

Multiwall polycarbonate panels are a durable and easy-to-install DIY solution. Unlike evergreen shrubs or wooden lattice fencing, translucent multiwall polycarbonate panels allow light to pass through while still offering some visibility of your surroundings.



- **Let Natural Light In**
- **Keep Gusty Winds at Bay**
- **Won't Block Your View**



Multiwall polycarbonate is light in weight and easy to work with. Panels can be cut and installed using standard construction

tools and fasteners.

Virtually unbreakable, multiwall polycarbonate panels can withstand the impact of blowing snow or freezing rain, providing years of wind protection and snow drift control.

**Note:** For the most effective wind block, run the polycarbonate panel from the ground to the roofline. This will direct the wind up and over the roof instead of settling back down on the other side.



**Q:** What are the flutes in a multiwall polycarbonate sheet?

**A:** Multiwall polycarbonate is characterized by hollow rectangular structures that run the length of the sheet and resembles a plastic version of corrugated cardboard. This structural configuration is known as 'flutes', 'ribs', or 'channels'.

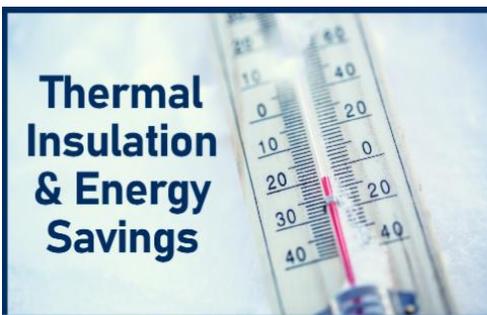
The flutes trap air and provide insulation, creating an excellent thermal barrier. This multi-layered structure offers some noise-dampening benefits as well. The flutes also give the multiwall polycarbonate sheet its strength, impact resistance, and longer spanning capabilities.

To prevent dirt, dust, and insects from entering the flutes, seal the ends of the sheet with tape and/or U-profiles. Use vent tape and drill weep holes along the bottom edge of the U-profile for condensation drainage.

Make sure to clear the flutes before sealing the ends. Debris may be removed from the flutes using a vacuum or blown out with compressed air. It is not recommended to flush the flutes with water.

[More FAQs](#)

## Thermal Advantages of Multiwall Polycarbonate



Multiwall polycarbonate is a great glazing option to standard glass because of its excellent thermal insulation performance.

The cellular structure of a multiwall polycarbonate sheet traps air between the layers and creates an excellent thermal barrier. The sheet's U-value and R-value is determined by the number of walls and the internal 'air space' structure.

Ideal for commercial, industrial, and residential applications, multiwall polycarbonate sheets help lower utility costs with better heat management, saving energy and money.

### Excellent Thermal Insulator



Cellular Structure Traps Air



Helps Lower Utility Costs



Thicker Sheets = More Insulation



## Links of Interest

- Projected to be net-zero, Harvard University's ArtLab is a one-story building constructed of steel columns and trusses. The steel frame is clad in lightweight polycarbonate and insulated glass panels.
- Located in the heart of Beirut, the Amar Café features a mesmerizing polycarbonate installation shaped like a cloud of smoke. The artistic installation appears to float above the dining tables below.
- The living space of this renovated stone home in Paris was extended with a wooden tower clad with polycarbonate panels, creating a lantern-like effect at night.

## Company Highlights

### Meet the A-Team

Employee Spotlight | Sam Diny

A mathematics graduate of St. Norbert College, Sam Diny joined the A-Team last June as a Data Analyst. When asked what attracted him to AmeriLux, he replied that it was definitely the people and the energetic presence about them.

"Everyone is so welcoming and always there to help each other out," Sam said. He described the culture as being 'infectious' and went on to say that he hasn't met one person that wasn't willing to help him with whatever they could.

When asked why data analysis is important to a business, Sam had this reply: "It is crucial to a business to know exactly how the business is doing, identify sore areas, and help guide business leaders in making properly informed decisions regarding the company's health and longevity."

Sam loves being able to communicate with every department and the diversity of his work. The most challenging part of his role is learning where the pertinent information is and putting forth new processes to access that data more easily. "A Data Scientist's job is never ending!"



"Being able to talk to everyone, regardless of position, is really a great thing to see."

## Focused on the Customer Experience

At AmeriLux International, we take great pride in building and maintaining win-win partnerships with our Customers. We actively seek to provide our Customers with creative, cost-effective solutions to their unique challenges.

Because we are focused on the customer experience, we conducted a Customer Satisfaction Survey last fall to find out what we were doing right and how we could improve our products and services.

### What Our Customers Are Saying About Us:

- On a 1 – 5 scale, with 5 being the best, 95% of respondents rated AmeriLux 4 or better.
- Over 80% of respondents would recommend



We received a lot of great feedback from our Customers, and many of the comments were about how they enjoyed working with our Customer Relations

- AmeriLux products and services to others.
- When asked about their Customer Service Experience, the average rating was 4.75, based on a 5-point scale.
- Of those surveyed, the top 3 characteristics that define AmeriLux were:
  - Customer Focused
  - Easy-to-do Business With
  - Solutions Provider

While the overall survey results were positive, we are committed to improving. We would like to thank everyone who took the time to respond to our survey. Your feedback helps us understand what is most important to you and develop action plans to better serve you as a Customer.

Team.

*“Always a pleasure speaking with anyone on the team. Professional, courteous, and responsive to any inquiry.”*

*“They always do a great job. I enjoy speaking with the people at AmeriLux.”*

*“All customer service reps have been excellent.”*

## World Ag Expo 2022

The world’s largest annual agricultural exposition is back! A can’t miss show for anyone involved in the agricultural sector. There will be more than 1,400 exhibitors displaying the latest in farm equipment, technological innovations, and agricultural communications.

Come join us at the International Agri-Center in Tulare, California, starting on the second Tuesday of February. Whether you are looking to put up a new farm structure or planning on renovating an existing building, we would like to have the opportunity to discuss your next project.

Show Info: <https://www.worldagexpo.com/>



## The AmeriLux Family of Companies

[AmeriLux International](#)  
[AmeriLux Transportation & Logistics](#)  
[Shape Products](#)

