

Endymion Guesthouse "Brightest Quality of Natural Light"



Inspired by nature, the Endymion Guest Suite Passive House is a three level, multi-generational guesthouse located in Ontario's picturesque Prince Edward County, Ontario. Designed to function as four separate suites or one large family home, Endymion's interior can be reconfigured to best accommodate visitor needs.

This strikingly modern building amongst the trees faces due south and features many large, recessed windows along a

seventy-three-foot-long wall. While they help to heat the house in the winter months, the windows are shaded from the summer sun.

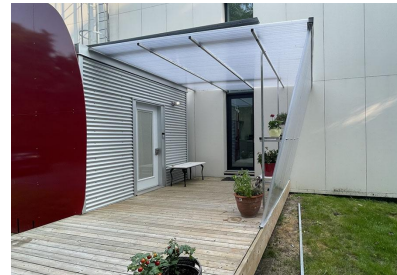
The 'entrance cockpit' of Endymion is a constructivist ensemble of corrugated metal panels, cantilevering steel beams, angled polycarbonate panels, and a red curving form as homage to an agricultural tractor.

This entrance area is located just outside the thermal envelope of this passive house and is covered with LEXAN™ THERMOCLICK™ 40mm polycarbonate panels. "The strength and versatility of the lightweight 40mm panels allowed the porch structure and enclosure to be easily built by a contractor with a team of only two," said Jonathan Kearns, Principal-in-Charge and CEO of Kearns Mancini Architects Inc.



"The installers commented on how easy the polycarbonate panels were to fit, cut, and fasten."

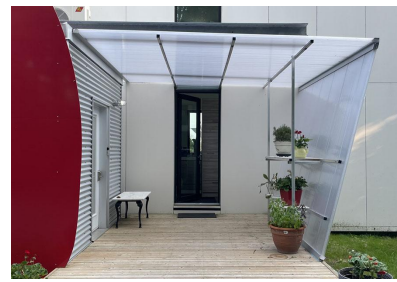
LEXAN™ THERMOCLICK™ was chosen for this project because glass can be both heavy and fragile, making it challenging to transport and work with. LEXAN™ THERMOCLICK™ weighs a fraction of glass! These lightweight yet extremely durable polycarbonate panels are easy to handle, simple to install, and can be fabricated on-site. Installation costs are low because this polycarbonate panel is designed using custom-made configurations for fast on-site assembly.



"I wanted to create a protected exterior entrance zone that would allow circulation between the 'mud room' and the front door," said Jonathon. "Architecturally, I wanted a very lightweight, light filled, secure, and strong covering material that I could hang from two previously installed steel beams."

UV protected for long-term weather resistance, LEXAN™ THERMOCLICK™ offers good light transmission and light diffusion characteristics. This interlocking polycarbonate panel includes a groove for a double-sided tie on the inside and eliminates the need for vertical profiles, enhancing overall aesthetics.

“I wanted the lightest and brightest quality of natural light.” Jonathon went on to say, “It even seems brighter at the entrance since installing, especially if the sun is catching any part of the polycarbonate making it glow!”



“The clients like to use one side of the space for plants so that it looks like a horticultural greenhouse.”

The LEXAN™ THERMOCLICK™ panels truly compliment the ‘inspired by nature’ design of Endymion. The minimalist use of building materials as well as the wonderful transfer of sunlight into the entrance area make visitor arrival to the guesthouse a very welcoming experience.



The Endymion Guesthouse is the second in a series of Passive House and Health (PH+H) laboratory projects for Kearns Mancini Architects Inc. Once certified, Endymion will become the first new-build certified passive house in Prince Edward County.

To learn more about the advantages of using polycarbonate glazing for your next project, please call 888-602-4441 to speak to a knowledgeable member of the AmeriLux A-Team.

Featured Product

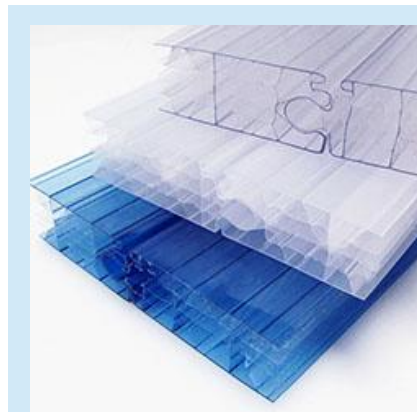
LEXAN™ THERMOCLICK™

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 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.*

DIY Tip of the Month

Polycarbonate Patio Coverings

Covering your patio will provide protection from the elements as well as the comfort of shade. You'll be able to hang out in your favorite outdoor space more – rain or shine!



Here are several good reasons why polycarbonate panels are a great material choice for covering your patio:

Polycarbonate Benefits Include:

1. Polycarbonate is light in weight, easy to handle, and requires less structural support than other glazing materials.
2. Panels can be cut to size and drilled on site using ordinary wood working tools. No special tools needed!
3. Highly flexible and virtually unbreakable, polycarbonate panels can be cold formed on site without cracking or splintering.

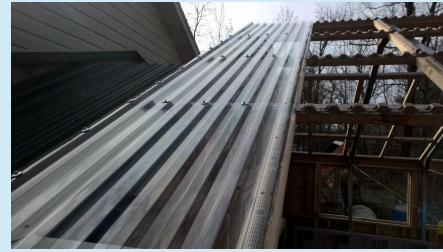
Polycarbonate patio covers not only offer a break from the sun's heat; the panels also block harmful ultraviolet rays.



This UV blocking feature helps prevent sunburn while letting in natural light. And your outdoor furniture won't fade as fast!

If you would like advice on the best polycarbonate panel to cover your patio, please contact us at 888-602-4441 or send an email to info@amerilux.com.

Corrugated Polycarbonate Roofing



Q: Is corrugated polycarbonate strong enough to be used as a roofing material?

A. With the proper structural support, polycarbonate corrugated panels will stand up against hailstorms, powerful winds, and wet snow accumulations. The UV-protected outer surface ensures long-term durability and strength in a wide range of temperatures. Not only is corrugated polycarbonate strong, but it is also light in weight and easy to install with basic tools. A perfect daylight roofing & cladding option!

NOTE: While virtually unbreakable, we do not recommend walking on installed corrugated polycarbonate. If you must walk (or kneel) on panels while installing, use a sturdy plywood board long enough to span three structural supports as a base to walk on.

[More FAQs](#)

A Great Space Defining Solution

Transforming Spaces with Polycarbonate



Multiwall polycarbonate panels can dramatically transform the look and feel of an interior space.

Translucent in nature, these lightweight yet strong panels are ideal for dividing rooms and providing privacy without sacrificing natural light.

Creating a 'multipurpose room' with multiwall polycarbonate is simple. Panels are easy to fabricate and install with basic woodworking tools and some construction know-how.

Multiwall polycarbonate panels are a great space defining solution for residential, architectural, or large commercial buildings. Perfect for architectural walls, partitions, office dividers, cubicles, and more!

Interior Applications



Custom Printed Partitions



Translucent Walls



Room Dividers



Architectural Walls

Links of Interest

- [Located in the coastal village of Tugun in Queensland, Australia, the renovation of the Tin Lizzie House included adding more natural light with diffused polycarbonate wall treatments.](#)
- [A collaborative renewal of a 36-year-old Hakka village in Hong Kong is now underway. Two of the dilapidated structures have been restored using bamboo and polycarbonate panels.](#)
- [This market hall in Stockholm was moved and rebuilt in Mölnlycke. The transformation used many of the building's original materials including the multiwall polycarbonate sheeting.](#)

Company Highlights

AmeriLux 4th Annual Golf Outing

AmeriLux held its fourth annual golf outing on Friday, August 9th at the Hilly Haven Golf Course. A beautiful 18-hole golf course nestled around the Niagara Escarpment just south of De Pere, Wisconsin.

Teams of four hit the green for either 9 or 18 holes of scramble style golf. After a competitive yet fun-spirited afternoon, everyone gathered for dinner and drinks at the Hilly Haven clubhouse.

This has become a company event that everyone looks forward to each year. A perfect blend of team bonding and memory making! Congratulations to Eric Reinemann, Steve Englebert, Erik Voss, and Kevin Vanden Heuvel. This year's first place team!



Meet the A-Team

Employee Spotlight | Valerie Giese

It was no surprise when Valerie sought out AmeriLux in the fall of 2022 for her next career opportunity. She has three cousins by marriage who were already members of the A-Team. All working in different facets of the company, doing great things and growing professionally.

As a Continuous Improvement Leader, Valerie is tasked to find ways to make AmeriLux the most efficient company it can be. Whether that be researching better technologies or implementing new processes and systems, she is focused on figuring out how AmeriLux can be even better tomorrow.

"I previously worked on the AmeriLux Logistics team for a year and a half. In this new role, I'm really enjoying learning the many other aspects of our business that I didn't have previous experience in," Valerie said. "I am really enjoying serving the entire AmeriLux Family of Companies, and the exposure to learn a new industry."



"My favorite thing about the culture at AmeriLux is that it allows people to be themselves."

"Make A Play"



"The only people that have never made a mistake are people that have never done anything." We are predisposed to take action because failure to make a decision gives all control away to outside forces. We take control of our individual and collective future by engaging in meaningful action, accepting that we will make some mistakes along the way. We believe the only true failure is a failure to learn from mistakes and improve."

August's Brand Ambassador: Jacob Nelson
Thermoforming Production - Shape Products

[How We Succeed at AmeriLux](#)

September Tradeshow

Construction
Rollforming
Show

From raw materials to automation software, this is the only show dedicated to roll forming and metal forming light gauge metal. The Construction Rollforming Show is specifically tailored to those in the construction industry forming panels,

ShedBuilder
EXPO 24

Ideal for suppliers and manufacturers, the 2024 Shed Builder Expo offers many networking opportunities. Come and discover the latest trends and innovation in shed construction. This show brings together a wide range of exhibitors in the building and construction industry. Don't miss out!

tubing, flashings, gutters, or similar products.

- **When:** Sept. 18th - 19th
- **Where:** Devos Place in Grand Rapids, Michigan
- **Booth#:** 321

[For more details, please click here to visit the show's website.](#)

- **When:** Sept. 25th - 26th
- **Where:** Devos Place in Grand Rapids, Michigan
- **Booth#:** 605

[For more details, please click here to visit the show's website.](#)

We look forward to seeing you at these shows!

The AmeriLux Family of Companies

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