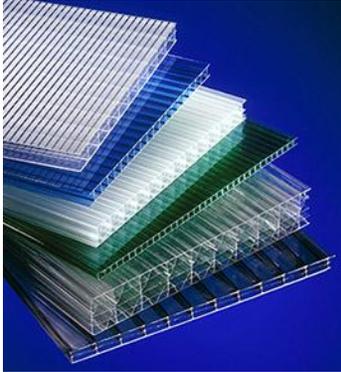


Looking Back: Year in Review

"The Versatility of Polycarbonate"



Whether used as a roof cover or façade cladding, translucent polycarbonate panels offer a wide range of daylighting solutions. Thanks to its lightness, flexibility, strength, weather resistance, and easy installation, polycarbonate is quickly becoming a preferred material choice to traditional glass panels.

From skylights and clerestory windows to wall panels and roof domes, utilizing polycarbonate panels provides architects and designers with the ability to bring more natural light into residential and commercial spaces — safely, cost-effectively, and sustainably.

High above the shores of Flathead Lake in Montana, this cozy cabin offers spectacular views of the lake and surrounding mountains. For the deck covering, the owners chose LEXAN™ Greca bronze corrugated panels.



This square-wave polycarbonate panel is thicker, has good rigidity qualities, and resists wind damage better than some other like profiles. ([Read full article](#))



This passive hobby greenhouse in Afton, Wyoming features insulated foam foundation blocks on the north side as well as parts of the east and west walls. To capture the sun's solar energy, the remaining portions of these walls including the entire south side were covered with 10mm clear multiwall polycarbonate.

The cellular structure of the multiwall panel traps air and acts as an excellent insulation barrier, keeping the heat gained during the day in and the cold night air out.

Inspired by William McDonough's multi-use ICEhouse™, the DOGG (digital off-grid gratuity) is built entirely with materials that can be recycled or reused.

The exterior of this eco-friendly travel trailer is covered with THERMOCLICK™ 40mm opal, THERMOCLEAR™ 15 softlite, and clear monolithic polycarbonate panels, filling the interior with an abundance of natural light.



Polycarbonate is considered a sustainable (green) building product and qualifies for LEED credits. ([Read full article](#))

LEXAN™ THERMOCLEAR™ 16mm softlite panels are



illuminated by LED rope lights, creating a unique and visually striking feature wall at this hip nightclub in Brooklyn, New York.

Lightweight, durable, and shatter resistant, translucent multiwall polycarbonate is ideal for large back-lit applications. In addition, polycarbonate offers good ink adhesion and can be printed first or second surface.

Located in the Waterbury-Stowe area of Vermont's Green Mountains, this eco-friendly hotel offers many nice amenities including a recently reglazed pool enclosure.

Virtually unbreakable, LEXAN™ THERMOCLEAR™ Plus 25mm 5x-wall panels are guaranteed to retain clarity and resist yellowing, providing visitors at this Best Western Plus with years of poolside enjoyment. ([Read full article](#))



Looking to incorporate polycarbonate panels into your next design? Please call 888-602-4441 to speak to a friendly and knowledgeable member of the A-Team. We'd like to help you get your project started!

LEXAN THERMOCLICK AND LEXAN THERMOCLEAR are trademarks of SABIC.

Featured Product

TOPGAL Polycarbonate Standing Seam Panels

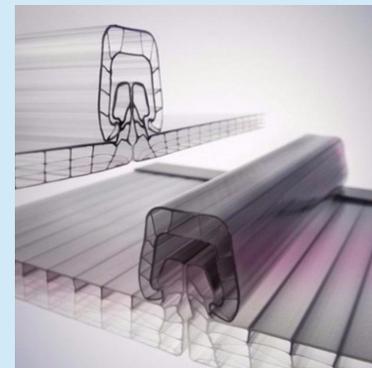
The TOPGAL standing seam panel system integrates the high-performance characteristics of the multiwall polycarbonate sheet with top quality components, giving architects and builders the flexibility to design creative yet sustainable roofing features.



- Flexible & Easy to Install
- Two-Sided UV Protection
- Purlin Based Installation
- Minimum 5% Slope
- Highly Resistant to Wind & Snow Load
- Watertight Leak Proof System
- Class A/CC1 Fire Rating

Stocked in clear, bronze, ice, and blue, the TOPGAL polycarbonate standing seam system is perfect for commercial, residential, and industrial glazing applications that provide either daylight or shade and need protection from the elements.

If you need assistance with choosing the right polycarbonate product for your next project, please call 888-602-4441 or send an email to info@amerilux.com.



Backed by 35 years of product knowledge and development!

TOPGAL panels are available in standard colors as well as special color layers that selectively reflect solar radiation.

[Visit Product Page](#)

DIY Tip of the Month

Designing with Acrylic Sheets

Safer, stronger, and less expensive than glass, acrylic sheets are suitable for a wide range of uses.

Many contemporary designers use these high-quality plastic sheets in their creative visions, demonstrating the versatility of this material.



Applications include:

- Decorative Wall Art
- Transom Windows
- Cabinet Door Inserts
- Kitchen Backsplashes
- Custom Printed Signs



Often referred to as plexiglass, acrylic sheets can easily be cut, drilled, glued, polished, and bent to different angles.

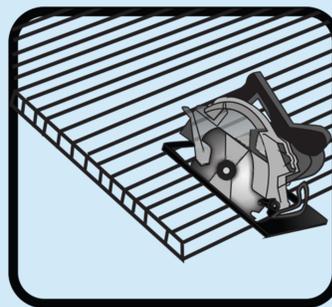
In addition to stocking acrylic sheets in clear, frost, obscure, and gloss white, AmeriLux also stocks acrylic plastic sheets in these transparent colors: blue, red, yellow, green, and bronze.

Acrylic sheets are an ideal material choice for a variety of do-it-yourself and home improvement projects as well as unlimited arts and crafts projects.

Don't know which plastic sheet to choose?

Call 888-602-4441 to talk to a friendly and knowledgeable member of the A-Team.

Cutting Plastic Sheets



Q: What is the best way to cut plastic sheets?

A. Multiwall polycarbonate sheets may be cut using a utility knife, circular saw, or table saw. Cut corrugated polycarbonate sheets with either a vertical band saw or hand-held jigsaw. Solid polycarbonate or acrylic sheets can easily be cut with a table saw or hand saw (A router fitted with bits for cutting plastic may also be used.) To prevent chipping, a fine-tooth saw blade designed for cutting plastic is recommended for smooth, melt-free cuts.

Please reference product specific installation guides for detailed cutting information.

[More FAQs](#)

Polycarbonate Sheets: Corrugated vs. Multiwall?

Corrugated Polycarbonate

or

Multiwall Polycarbonate

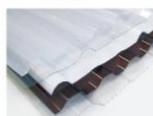
Which is best for your project?

Both corrugated and multiwall polycarbonate may be used in daylighting applications. Understanding the differences between these two products is important when considering which sheet is best for your project.

Corrugated polycarbonate is a single layer sheet with a box or wave-type profile. Ideal for designing simple skylights or side lights for agricultural or industrial metal-clad buildings.

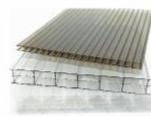
Multiwall polycarbonate is defined by a cellular structure that traps air, creating an effective thermal barrier. From greenhouses to stadium domes, these sheets provide natural lighting without daytime heat gain or nighttime heat loss.

Corrugated Polycarbonate



- High Optical Properties
- Low Thermal Insulation
- Extremely Flexible
- Economical & Cost Effective

Multiwall Polycarbonate



- Limited Optical Properties
- Excellent Thermal Insulation
- High Rigidity & Impact Strength
- High Quality Glazing Material



[Links of Interest](#)

- Located at the St. Mary's School in Cambridge, England, a 1970's greenhouse was retrofitted with a polycarbonate façade, replacing aging glass windows that were extremely fragile.
- There are several ways to update and rejuvenate an existing sunroom such as adding a skylight to further brighten and maximize the amount of natural light filling the space.
- Inspired by traditional Philippine architecture, Abu's bee house designs include an unwallled hut with a transparent polycarbonate ridge to allow daylight to enter.

Company Highlights

News from Shape Products

Shape Products is excited to be ringing in the new year with the introduction of robotics to its manufacturing process: A KUKA 5-axis articulated arm robot as well as a rotary fixture table.

This industrial robot will increase the efficiency, accuracy, and repeatability of the trimming and processing of plastic parts. It also removes a large portion of work that was being done on a traditional bandsaw. The end benefit is a much safer production process, a more precise product, and increased productivity!

The AmeriLux Family of Companies is committed to employee well-being. The addition of the KUKA robot is another great step towards creating the safest possible work environment for its valued team members.



"Is This A Great Country, Or What..?!"

"We celebrate our freedom and opportunity and look to the future with optimism. We believe in the power of happiness and positivity to produce outstanding results. We are intentional about cultivating creativity and innovation through optimistic, positive thinking."

January's Brand Ambassador: Jose Palma
Production Lead - EZ PVC, Las Vegas Location

[How We Succeed at AmeriLux](#)



2023 World Ag Expo

Considered the largest annual agricultural exposition, come see the latest in farm equipment, products, services, and new innovations. Visit us at Booth# 6740 in the Farm Credit Dairy Center.

[Show Information](#)



56th NFBA Frame Building Expo

The premier industry event for post-frame professionals, find everything you need to make smarter business decisions, grow your bottom line, and enhance your business credibility. We'll be at Booth# 656. Stop by if you're at the show!

[Show Information](#)

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