

## Let There Be Light with Polycarbonate

"Benefits of Natural Lighting"



Daylighting is the architectural practice of welcoming natural light into the interior of a building using windows, skylights, clerestories, or vertical glazing.

Because we spend so much time indoors, building or remodeling structures with natural lighting in mind is essential. Natural light plays a huge role in creating positive working and living spaces.

The benefits of natural light are numerous and affect our health, comfort,

productivity, energy usage, and the environment.

### Enhances Aesthetics and Comfort Levels

Natural lighting increases the aesthetics of a space, bringing out a room's color and enhancing architectural elements. Spaces that use more natural light and less artificial lighting feel larger and more inviting. Natural light also helps to reduce the growth of mold or mildew, keeping the inside environment healthier for you and your family.

Resistant to hail and impact damage, multiwall polycarbonate sheets maintain their high light transmission and mechanical properties for many years of natural light enjoyment.



### Increases Creativity and Productivity

Studies show natural light in the work environment boosts morale, reduces fatigue, and increases energy levels. Employees are more creative and productive. Natural lighting in schools has translated into higher achievement rates, increased attendance, and better moods throughout the day. Students are more attentive and active.

Compared to glass panels, multiwall polycarbonate sheets are lighter in weight, flexible, easier to install, and require less structural framing and support. Bringing natural light into an interior space with multiwall polycarbonate is a cost-effective daylighting solution.

### Saves Energy and Money

Naturally lit spaces allow for 'daylight harvesting' and minimize the need for artificial lighting during the day. Natural

light helps to offset the use of electricity, reducing energy costs, maintenance, and the amount of energy consumed. This is a great step towards increased sustainability and has a positive impact on the environment.

Significantly more durable than glass, multiwall polycarbonate sheets are available in a variety of colors, thicknesses, textures, and structures to control light transmission and thermal performance. Multiwall polycarbonate sheets are an energy-efficient option for both new and retrofit building applications.



## Improves Overall Well-Being

Exposure to natural light affects several health aspects including mood, sleep, eye health, and Vitamin D levels. Research has proven that natural light makes us feel healthier and happier. Natural light helps our bodies maintain its circadian rhythm - our 'wake-sleep' pattern. Increased natural light during the day helps you sleep better. Natural lighting is also less harsh, reducing glare and eye strain. Known as the 'sunshine vitamin,' natural light helps our bodies produce Vitamin D, boosting overall good health and well-being.

One of multiwall polycarbonates main advantages over glass is its ability to diffuse natural light. Multiwall polycarbonate sheets effectively optimize natural lighting and provide glare control while reducing solar heat gain.

Multiwall polycarbonate sheets are extremely versatile and an ideal alternative to glass and fiberglass panels. From residential to commercial building applications, you will want to consider multiwall polycarbonate glazing for its strength, durability, insulation, and light transmitting properties.

*For additional product information and pricing, please call 888.602.4441 or send an email to [customer.service@amerilux.com](mailto:customer.service@amerilux.com).*

## Featured Product

LEXAN™ THERMOCLEAR™ Multiwall

A well-established brand for over 40 years, LEXAN™ multiwall polycarbonate sheets are extruded from LEXAN™ resin, a high-quality thermoplastic with superior mechanical, optical, and thermal properties.

This lightweight, high-performance sheet offers high light transmission, remarkable impact resistance, and long-term weather resistance. In addition, the sheet's multiwall construction provides outstanding thermal insulation and structural strength.

The versatility of the LEXAN™ THERMOCLEAR™ multiwall polycarbonate sheet makes it an ideal material choice for a wide range of glazing applications including greenhouses, pool enclosures, canopies, gazebos, wall partitions, carports, pergolas, sunrooms, and covered walkways.

*LEXAN™ THERMOCLEAR™ is a registered trademark of SABIC.*



*If you would like more product information, please visit the AmeriLux website or call 888.602.4441 to speak to a knowledgeable member of the A-Team.*

[Visit Product Page](#)

**DIY Tip of the Month**

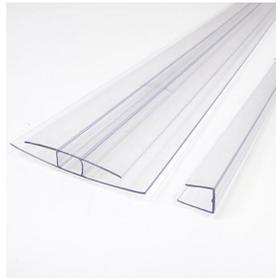
**Protective Masking Film**

Polycarbonate U-profiles cap off the top and/or bottom of a multiwall panel. H-profiles join two multiwall sheets together, providing a finished, professional look. Both U- and H-profiles are available in several sizes:



- 6mm U & H profiles
- 8mm U & H profiles
- 10mm U & H profiles
- 16mm U & H profiles
- 20mm U profile

Polycarbonate H- and U-profiles prevent dust, bugs, and moisture from entering the flutes of a multiwall polycarbonate sheet. These strong and durable profiles help keep sheets cleaner longer, especially in outdoor applications.



For more information on multiwall polycarbonate profiles, [please visit our website](#).



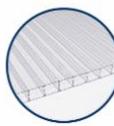
**Q:** Should the protective masking film be removed before cutting a polycarbonate sheet?

**A:** No, the protective masking should remain in place during cutting and installation to protect the sheet but be removed immediately after the sheet is installed.

The masking film indicates the UV protected side of the sheet which needs to face towards the sun. Installing polycarbonate sheets with the wrong side out will void the manufacturer warranty.

[More FAQs](#)

## Choosing the Right Polycarbonate Sheet

<p><b>MULTIWALL POLYCARBONATE</b></p> <p>VS</p> <p><b>SOLID POLYCARBONATE</b></p> 	<p>Offering high light transmission, durability, and impact resistance, polycarbonate sheets are produced in a variety of forms. Understanding the differences will help you determine which polycarbonate sheet will work best for your application.</p> <p>Multiwall polycarbonate has at least two walls of hollow 'flutes' that run the length of the sheet, trapping air. Solid polycarbonate sheet is a solid, single layer of plastic with no air spaces.</p> <p>Because multiwall polycarbonate 'traps air' between its layers, it is superior to solid sheet in thermal insulation. The hollow structure also makes the multiwall sheet much lighter in weight than solid polycarbonate sheets.</p> <p>Solid polycarbonate sheets provide clear views like a panel of glass. The flutes of the multiwall sheet distort clarity.</p>	<p><b>Multiwall Polycarbonate Sheet</b></p>  <ul style="list-style-type: none"><li>• Hollow Structure</li><li>• Translucent</li><li>• Excellent Thermal Insulation</li><li>• Very Light in Weight</li><li>• Virtually Unbreakable</li></ul> <p>VS</p> <p><b>Solid Polycarbonate Sheet</b></p>  <ul style="list-style-type: none"><li>• Solid Structure</li><li>• Transparent</li><li>• Good Thermal Resistance</li><li>• Lightweight</li><li>• Exceptional Impact Strength</li></ul>
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## Links of Interest

- [Located in Hebei, China, the Tiangang Art Center features translucent polycarbonate walls and an arc-shaped skylight, bringing light into the space as well as illuminating the base at night.](#)
- [The Calton Hill Play Shelter in Edinburg \(United Kingdom\) was designed as a modular structure constructed of timber components and topped with a polycarbonate roof.](#)
- [An abundance of natural light filters through the translucent polycarbonate façade of this multi-use wooden dwelling in Japan.](#)

## SlateWell Egress Window Well

Introducing the SlateWell Egress Window Well by Shape Products. This egress window well is made from durable fiberglass to ensure it will not rust, rot, or deteriorate. With built-in steps, this window well will meet all applicable egress codes.

Easy to install with a slate rock finish, this model will bring an elevated look to your home. Available in Sandstone (Tan) and Slate (Gray), [contact our team](#) today for more information!



## Company Highlights

### Meet the A-Team

Employee Spotlight | Kellan Olson

Prior to joining the A-Team in April of 2021, Kellan sold and serviced AmeriLux's copiers and printers. Through this interaction, he became familiar with AmeriLux and its culture. "People seemed to really enjoy working here," Kellan said. "When an opportunity presented itself in sales, I applied and was lucky enough to get the job."

As a Business Development Leader for AmeriLux International, Kellan is focused on pursuing, cultivating, and establishing new business relationships. In his opinion, the biggest challenge he is faced with is gaining a prospects attention when they are most likely busy thinking or doing something else.

"The first impression is most likely what the prospect will think of you and your company." Kellan went on to explain why this is so important in building customer relationships and making sales. "Making sure it's a positive experience goes a long way in a relationship."



*"Part of the thrill of the sale is knowing the work and persistence that went into it. That's the rewarding part of a sales position."*

### "Don't Judge People on Their Worst Moments"

"We value, respect, and honor the dignity of ALL who come in contact with us. In the pursuit of excellence, we never lose our human compassion. We look for the overall pattern of good in people and encourage people to succeed by playing to their natural strengths. We believe in human potential and invest in helping people grow into the best version of themselves."

## EZ PVC Team

Bruce Johnston  
Carolina Diaz  
Francis Leung  
Jose Ospina  
Todd McKnight  
Len Warland  
Leo Lantigua  
Jose Palma  
Lisa Clayworth



EZ PVC is a Division of  
AmeriLux International

This Month's Brand Ambassadors:  
"The EZ PVC Team"

How We Succeed at AmeriLux

## Join Us at The Car Wash Show!

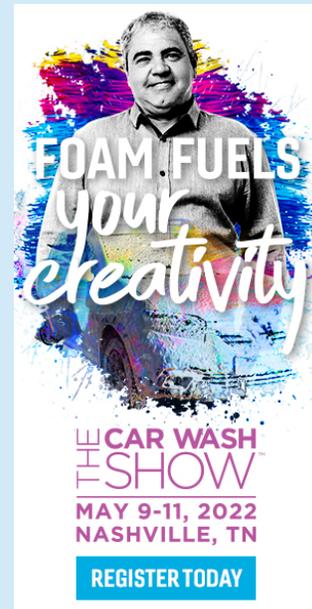
AmeriLux International is excited to announce that we will be exhibiting at The Car Wash Show next month in Nashville, Tennessee. This annual convention and trade show is the largest gathering of leaders, innovators, and decision-makers in the professional car wash industry.

With over 400 exhibitors, this event offers all the best in car washing. From valuable networking opportunities and relevant educational sessions to new technologies and hundreds of never-before-seen products. Music City is the place to be!

- **When:** May 9th – 11th
- **Where:** Music City Center, Nashville, TN
- **Booth Number:** 455, Exhibit Hall A

Make your carwash stand out from the competition with our high-quality multiwall polycarbonate sheets or PVC liner panels. Stop by and visit our booth for more product information and professional project advice.

For show details or to register, please visit [www.TheCarWashShow.com](http://www.TheCarWashShow.com).



## The AmeriLux Family of Companies

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