



Not All Sealants Are Created Equal "Polycarbonate and Sealant Compatibility"



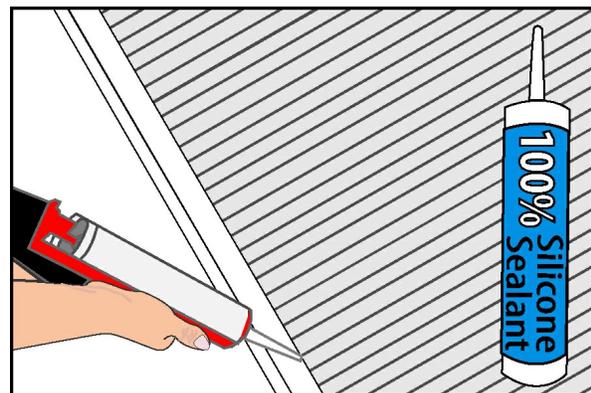
Sealants have been used for years in the building and construction industry. Basically, sealants are used to fill in gaps or create a seal to keep out dirt, debris, wind or water. However, not all sealants are created equal and choosing the right sealant for your polycarbonate project is very important.

Using the wrong sealant may cause serious polycarbonate degradation, cracking around the screws, or a condition called crazing. This is where fine lines appear on the

surface of the sheet. Choose the wrong sealant, and it could cost you a significant amount of time and money to fix.

With such a wide variety of sealants available on the market today, selecting the correct sealant requires understanding its chemical makeup and performance characteristics. For multiwall or corrugated polycarbonate sheet applications, it is highly recommended to use a 100% silicone sealant. As the name suggests, a 100% silicone sealant is not 'cut' with any solvents or oils.

Silicone is a material that is found in sealants, caulk, and adhesives. The main difference between a sealant and caulk is elasticity. When caulk dries, it becomes rigid. Sealants are not actually an adhesive, but they do have adhesive qualities. Sealants typically have a lower strength and higher elongation than adhesive. Silicone sealant is a liquid form of adhesive and looks like a gel. Unlike some adhesives, silicone sealants take time to cure.



Silicone sealants work well for structural glazing applications because they do not degrade in the sunlight and they resist mold, mildew, and most chemicals. The sealant material will not yellow over time and can be applied at virtually any



temperature. Silicone sealants also maintain their elasticity and stability in both high and low temperatures, allowing for polycarbonate sheet movement (expansion and contraction) without failing.

Most manufacturers and distributors will consider the warranty void if an incompatible sealant is used. Bottom line - do your homework and make sure the sealant is compatible with polycarbonate before using it. It really does matter!

For more information and/or a list of recommended polycarbonate compatible sealants, please send an email to customer.service@amerilux.com or call 1-888-602-4441.

Featured Product

LEXAN™ Multiwall Polycarbonate Sheet

LEXAN™ multiwall polycarbonate sheets are available in a wide range of gauges, structures, colors, coatings, and finishes, offering architects and designers unprecedented design flexibility.

- High Light Transmittance
- Superior Impact Strength
- UV and Fire Resistant
- Excellent Thermal Insulation

These high-performance polycarbonate sheets provide diffused natural light and energy efficiency properties that translate into energy cost savings for commercial, residential, and industrial building applications. In addition, LEXAN™ sheet systems are designed for fast and easy installation, helping to lower system costs while enhancing thermal insulation, durability, and safety.



From domed stadiums, conservatories, and greenhouses to distribution warehouses, office buildings, and pool enclosures, LEXAN™ multiwall polycarbonate sheets are built to last.

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DIY Tip of the Month

Polycarbonate Solar Pool Heater

Did you know that you can reduce your swimming pool heating costs by installing a solar pool heater? Even on a cloudy day, a solar powered heater will help increase the temperature of your pool water.



A DIY polycarbonate solar pool heater is cost-effective and easy to build. The basic concept consists of a support structure made of wood, black irrigation hose, and a sheet of 6mm twin wall polycarbonate. The water temperature naturally warms up as it circulates through the 'coiled' hose and back to your swimming pool.

Frequently Asked Polycarbonate Question

Q: What are polycarbonate U- and H-profiles used for?

A: A polycarbonate U-profile may be used to cap off the top and bottom of a multiwall polycarbonate sheet, preventing dust, bugs, and water from entering the sheet's flutes. It is important to drill weep holes in the bottom edge of the U-profile to allow for proper condensation drainage.

A polycarbonate H-profile is used to join two multiwall polycarbonate sheets together, providing a finished and professional look.

Technically, a polycarbonate H-profile can be installed horizontally **but** this may lead to potential issues with

Multiwall polycarbonate was a great choice for this project because the sheet's fluted structure helps to retain heat and is:



- Virtually Unbreakable
- Lightweight yet Durable
- Easy to Cut with Basic Tools
- Quick & Simple to Install

For help choosing the right roofing material for your next project, call 888.602.4441 today to speak to a knowledgeable A-Team member.

leaking. For this reason, it is highly recommended that polycarbonate H-profiles are only installed vertically, or with the slope.

Polycarbonate profiles are not intended as a waterproof solution.

Note: The 'longer leg' of both profiles should always be installed on the inside of the sheet. In other words, facing the interior of the structure.

[Product Info > Download](#)

[More FAQs](#)

Safety Tips for Installing Polycarbonate Sheets

Polycarbonate Installation Safety Tips



Installing polycarbonate sheets requires the usual safety precautions, plus a few you might not have thought of. Always read the installation and warranty info before starting your project. Mistakes can be dangerous and costly!

Although cutting or drilling polycarbonate is relatively safe and easy, it's important to keep your work area clean and dry to prevent injury. Hand and power tools should be in good working condition. Always use the right tool for the task! Do not leave unfastened sheets unattended. Despite being virtually unbreakable, never walk directly on polycarbonate sheets after they are installed.

SAFETY FIRST!

 <p>Cover Your Hands Gloves provide protection from potential cuts or abrasions.</p>	 <p>Protect Your Eyes Always wear glasses when cutting, drilling, or fastening panels.</p>
 <p>Provide Proper Support If you must walk or kneel on sheets, use a sturdy board for support.</p>	 <p>Read All Instructions Carefully read the install guidelines and warranty info.</p>

Links of Interest

- [Located in a rural area of Tasmania, this contemporary farmhouse features polycarbonate corrugated sheeting in the ceiling, showing off the wool insulation.](#)
- [A segmented building positioned under the Jongam-dong Overpass in Seoul, South Korea is covered with a translucent polycarbonate roof.](#)
- [Winner of the RIAI Irish Architecture 'Living Category' Award, a house in Northern Ireland uses garden-shed like materials such as polycarbonate to maximize the use of outdoor living space.](#)

News from Shape Products

Shape Products is on YouTube

The DuraWell Egress Window Well is an ideal option for any home because it has the look of real landscaping materials, complies with all applicable codes, and is simple to install.

Check out the [Shape Products YouTube](#) channel and contact our knowledgeable team today to

discuss egress solutions.

Don't forget to like, share, comment, and subscribe!



Company Highlights

A-Team Golf Outing

AmeriLux held its first ever employee golf outing on Friday, July 23rd. The outing took place at the Hilly Haven Golf Course located along the beautiful Niagara Escarpment in De Pere, WI.

A-Team members were assigned to 4-person teams. The scramble-style golf outing included 18-holes of golf, golf carts, and rental clubs for those who needed them. While there was a competitive element to the event, the format was set-up so that everybody could play and have a good time. After a fun-filled afternoon of golfing, A-Team members enjoyed a picnic-style dinner, drinks, and prizes at the clubhouse.

Taking home first place, was the team of “Erik Voss, Nik Boyer, Sam Diny, and Cassie Campbell”. Finishing in the middle of the pack, was the team of “Nicole Ansel, Jeff Rukamp, Mike Haberle, and Tony Pennenberg”. And even though they came in last place, the team of “Logan Doran, Pat Bassi, Molly Motylinski, and Jessica Moody” still had a lot of fun.



Golf Cart Cruisin'



Back at the Clubhouse



Good Food & Fun

Meet the A-Team

Employee Spotlight | Kelli Vanzego

A former member of the United States Air Force, Kelli joined the AmeriLux family this past March. Her six years of experience as a transportation planner in the paper industry has made her an immediate team asset, both to AmeriLux Logistics and to its customers.

Working as an Account Manager for AmeriLux Logistics is filled with new challenges every day. Kelli appreciates how her role stretches her potential, and she finds the teamwork amongst her peers truly rewarding. “Transportation is always a challenge,” she explained. “But it’s all about your approach, and communication is our currency.”

Impressed by the AmeriLux culture and the people she has gotten to know, Kelli enjoys being part of a company that



"Our drivers are incredible. When they stop by the office, they take the time to have a special conversation with

cares about its employees, acknowledges their wins, and cheers everyone on to reach their full potential. "We have an amazing team and its exciting to walk into a place and feel the energy," Kelli said with a smile. "We cheer each other to the finish line every day."

each of us."

"Win-Win"



This Month's Brand Ambassador is Maggie Kaczowski, Account Manager - AmeriLux International

"Every sustainable relationship, personal and professional, must be based on win-win for all parties. We invest in creating wins for all stakeholders in AmeriLux: employees, investors, customers, vendors, and the community. We don't create "win-lose" scenarios and we don't accept "lose-win" situations. We cultivate and nurture long-term, strategic partnerships with those who are like-minded, building mutually profitable business that results in the synergistic formula: 1+1=3!"

[How We Succeed at AmeriLux](#)

Correction: Last month's culture statement was incorrectly titled "Don't Judge People on Their Worst Moments" and should have been "We Don't Drink Our Own Kool-Aid".

The AmeriLux Family of Companies

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