

DOGG House Hits the Road

"The Voyage Begins"



After a few days of setbacks due to issues with the electrical brakes, Brady Johnson hit the road in early September with his DOGG (digital off-grid gratuity) house — a 100% recyclable travel trailer he designed and built himself.

The DOGG house is an eco-friendly travel trailer built entirely out of sustainable materials that can be either recycled or repurposed. ([Original article](#))

Featuring an all-aluminum frame and polycarbonate exterior walls, the DOGG

house is a very lightweight travel trailer and can easily be pulled by a SUV, saving both fuel and money.

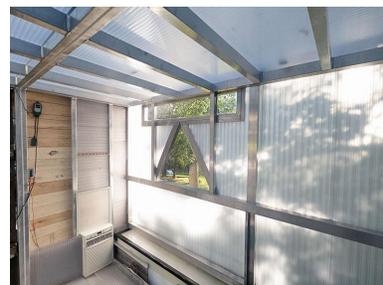
"I can easily pull the DOGG house with my Nissan Pathfinder," Brady said. "The voyage to the Burning Man festival in northwestern Nevada was nearly 2,000 miles. The trailer performed very well on the road."

The DOGG's streamlined design significantly reduces trailer sway or fishtailing. "The DOGG's bullet train front end and multiple air channels within the frame handled the wind gussets through mountain passes of Nevada with ease," explained Brady. "I actually felt more pull on my vehicle."



Unlike a traditional RV sided with either aluminum or fiberglass materials, the DOGG house is covered with translucent and transparent polycarbonate.

The sides and back of this unique travel trailer are clad with 40mm LEXAN™ THERMOCLICK™. The translucence of these opal panels allows plenty of daylight in while still providing the occupants with needed privacy.



The light diffusing properties of the LEXAN™ THERMOCLEAR™ 15 Softlite panels used for the DOGG's ceiling soften and scatter direct sunlight throughout the trailer's interior, creating a positive, relaxing atmosphere — a welcoming space to just hang out after an adventure-filled day.

The front section of the DOGG house is the sleeping area. It's glazed with clear monolithic polycarbonate panels and offers amazing views of the sky either for cloud watching or star gazing.



When asked what it is like 'living' in the DOGG house, Brady described the abundance of natural light coming through the polycarbonate panels as healing — a realigning of one's natural pattern with the sunrise and sunset. Sunlight boosts the immune system and helps keep our body clock synced.

A 'continuous work in progress', Brady still has plans of building a hydroponic greenhouse on the trailer's roof deck, adding solar panels, and developing a rainwater collector. As for his sauna' and grey water recycling system, they've been working out well so far!

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Featured Product

LEXAN™ THERMOCLICK™



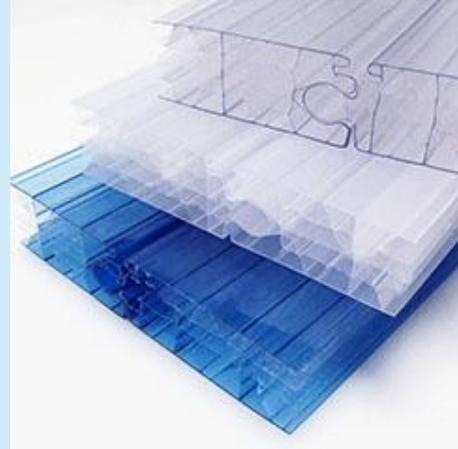
LEXAN™ THERMOCLICK™ high-performance sheets are impact resistant, energy-saving multiwall sheets with a specially designed tongue and groove connection. This

interlocking system eliminates the need for vertical profiles, thereby saving costs and enhancing aesthetics.

Stocked in clear, opal, and blue, LEXAN™ THERMOCLICK™ sheets allow for architectural designs that are visually striking yet extremely practical. This interlocking polycarbonate wall system is available in 40mm and 50mm thicknesses.

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

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.



Profile Free Facades
"Stronger, Lighter and Shatter Resistant"

LEXAN is a trademark of SABIC.

[Visit Product Page](#)

DIY Tip of the Month

Understanding Polycarbonate Sealants

Even though profiles fit tight and do a good job of keeping multiwall flutes free of debris, a



Lumira® aerogel

sealant is often used to ensure a tight seal between the polycarbonate sheet and the profile system.

But not all sealants are equal, choosing the right one is very important. 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 sealants work well for structural glazing applications because:

- Doesn't Degrade in Sunlight
- Resists Mold, Mildew & Most Chemicals
- Doesn't Typically Yellow Over Time
- Apply in Virtually Any Temperature
- Maintains Elasticity & Stability

Most manufacturers and distributors will consider the warranty void if an incompatible sealant is used. Always read the label and make sure your sealant is compatible with your polycarbonate sheets before using it.



Q: What are the benefits of filling polycarbonate multiwall sheets with Lumira® aerogel?

A. Made of a dry silica particulate, Lumira® aerogel increases the insulation factor, provides superior light diffusion, eliminates glare and hot spots, improves acoustic performance, reduces solar heat gain/loss, and decreases energy usage.

Lumira® aerogel is also completely recyclable, eco-friendly, non-combustible, and Cradle-to-Cradle certified.

[More FAQs](#)

Natural Light in Building & Architecture



BENEFITS OF NATURAL LIGHT



Natural light is an important factor in building and architecture. Natural light offers significant benefits from enhancing visual comfort and productivity to better health and energy efficiency.

Bring more natural light into living and working environments by adding polycarbonate skylights, sidelights, or curtain walls to any building. Multiwall polycarbonate is an excellent material choice for daylighting applications because its multi-layer structure provides excellent light transmission and thermal insulation that helps promote energy savings.

Reduce artificial lighting and increase a building's natural light with multiwall polycarbonate. Multiwall polycarbonate glazing is ideal for agricultural, industrial, commercial, and residential applications.

DAYLIGHTING BENEFITS

-  ENHANCES PRODUCTIVITY
-  LOWERS ENERGY COSTS
-  HELPS PREVENT DEPRESSION
-  BOOSTS BODIES VITAMIN D
-  CREATES COMFORT

Links of Interest

- [Clad with translucent polycarbonate on its street-facing facade, the entrance pavilion at Haworth Tompkins in London glows when evening performances are in session.](#)
- [Small architectural changes can make a big impact in a home such as replacing a metal clad garage wall with polycarbonate panels, opening the space to a garden.](#)
- [From sliding to casement to pivot, windows vary broadly in size and material choices — all of which impact the functionality and aesthetics of a building.](#)

Company Highlights



Happy Halloween!

Members of the A-Team got into the Halloween spirit today by coming into work dressed in some creative and fun costumes. The Cat and the Hat Gang along with Mickey and Minnie Mouse showed up to help the Logistics team.



Mario's younger twin brother Luigi was spotted in the office (Was there a plumbing problem?) as well as a hairy, ape-like creature was sighted wandering around the AI Distribution Center.



The AmeriLux Family of Companies would like to wish everyone a safe and happy Halloween.



"We'll Be Even Better Tomorrow"

We do the basics really, really well as a first priority, but we aren't comfortable with the status quo. We are always learning in the service of winning. We challenge ourselves to continuously pursue the next step in growth, personally and professionally. We don't settle for today's success but use the magic of momentum to keep building a more successful tomorrow. "It's amazing what's possible when you don't know what's impossible."



October's Brand Ambassadors:

Tessa Hanold, Account Mgr. - AmeriLux International (Top Photo)

Nicole Ciha, Account Mgr. - AmeriLux International (Bottom Photo)

How We Succeed at AmeriLux

MJBizCon 2022

Focusing on the future of the expanding cannabis industry, the Marijuana Business Conference offers pre-show forums, 140 speakers, 320,000 square feet of exhibit space, and over 1,400 exhibitors. MJBizCon has been touted as the premier gathering of cannabis professionals.

- **When:** November 15th - 18th
- **Where:** Las Vegas Convention Center
- **Show Info:** <https://mjbizconference.com/>
- **Booth No:** 1812

You do not want to miss this opportunity to network at the largest cannabis business event in the world! Make



**YOUR
CANNABIS
BUSINESS
YEAR
STARTS
HERE!**

sure to stop by our booth located in the South Lower Hall – Business Services.

**Pre-Registration
is Required.**

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