

VALTO
TRANSPORTATION
MATERIALS





frp

FIBERGLASS REINFORCED PANELS

Valto Engineered Materials delivers quality products that perform in demanding environments.

For fiberglass reinforced plastic (frp) solutions that combine durability with high-performance and significant weight savings, customers around the world trust VALTO. VALTO has paved the way for composites to be used in the truck/trailer segment, leading the market as the first to introduce frp liners, and translucent roofs.

As the first and largest global manufacturer of FRP wall paneling, VALTO offers the industry's most innovative and resilient FRP panels, backed by our expert technical and installation support staff. Our FRP panels provide key benefits including:



SANITARY + CLEANABLE

All VALTO products are in full compliance with USDA/FSIS requirements and fully support the Food and Safety Modernization Act (FSMA). FRP does not support the growth of mold, mildew, or bacteria.



PERFORMANCE DRIVEN

Count on VALTO FRP panels for extremely strong durable panels that resists most stains and chemicals.



SIMPLE + COST EFFECTIVE

Thermoset panels provide a non-porous surface which makes it impossible for dirt to become embedded in the surface of the panel. Plus, they're easy on your budget and designed to last for years.

WE HAVE TOUGH PANELS



FOR TOUGH ENVIRONMENTS

frp

APPLICATIONS



SIDEWALL + CEILING LINERS

dry/refrigerated trailers + truck bodies



TRANSLUCENT ROOFS

delivery trucks + dry trailers + truck bodies



REEFER ROOFS

refrigerated trailers + truck bodies



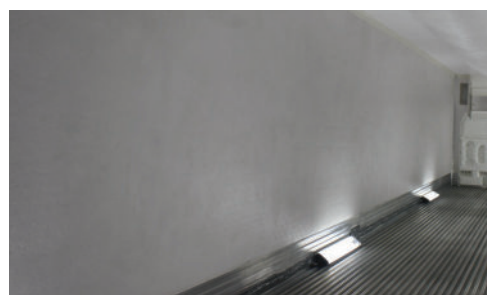
SCUFF PLATES

dry/refrigerated trailers + truck bodies



EXTERIOR WALL LINERS

dry/refrigerated truck bodies

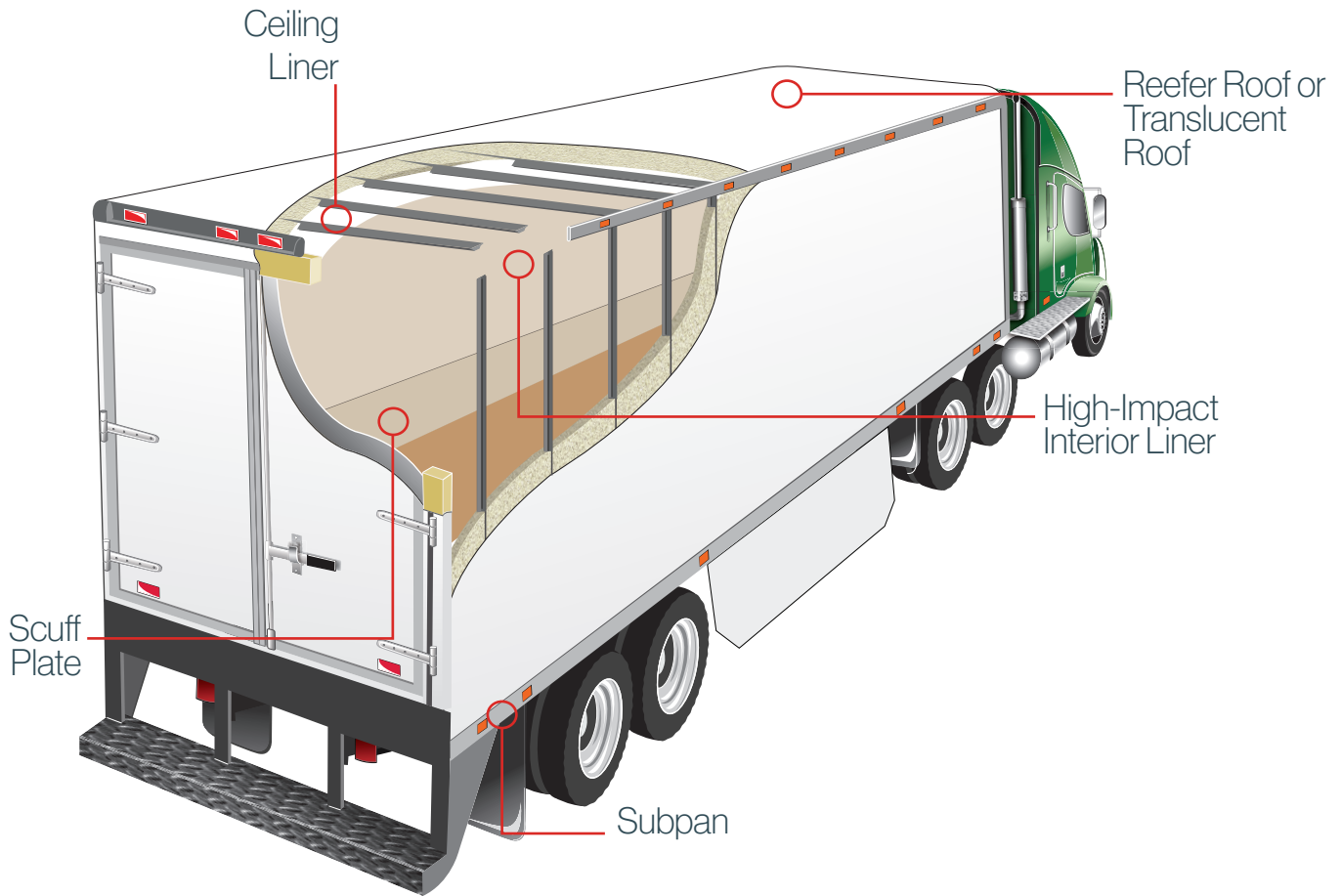


LAMINATED PANELS

frp laminated panels to custom substrate

TRAILER

APPLICATIONS

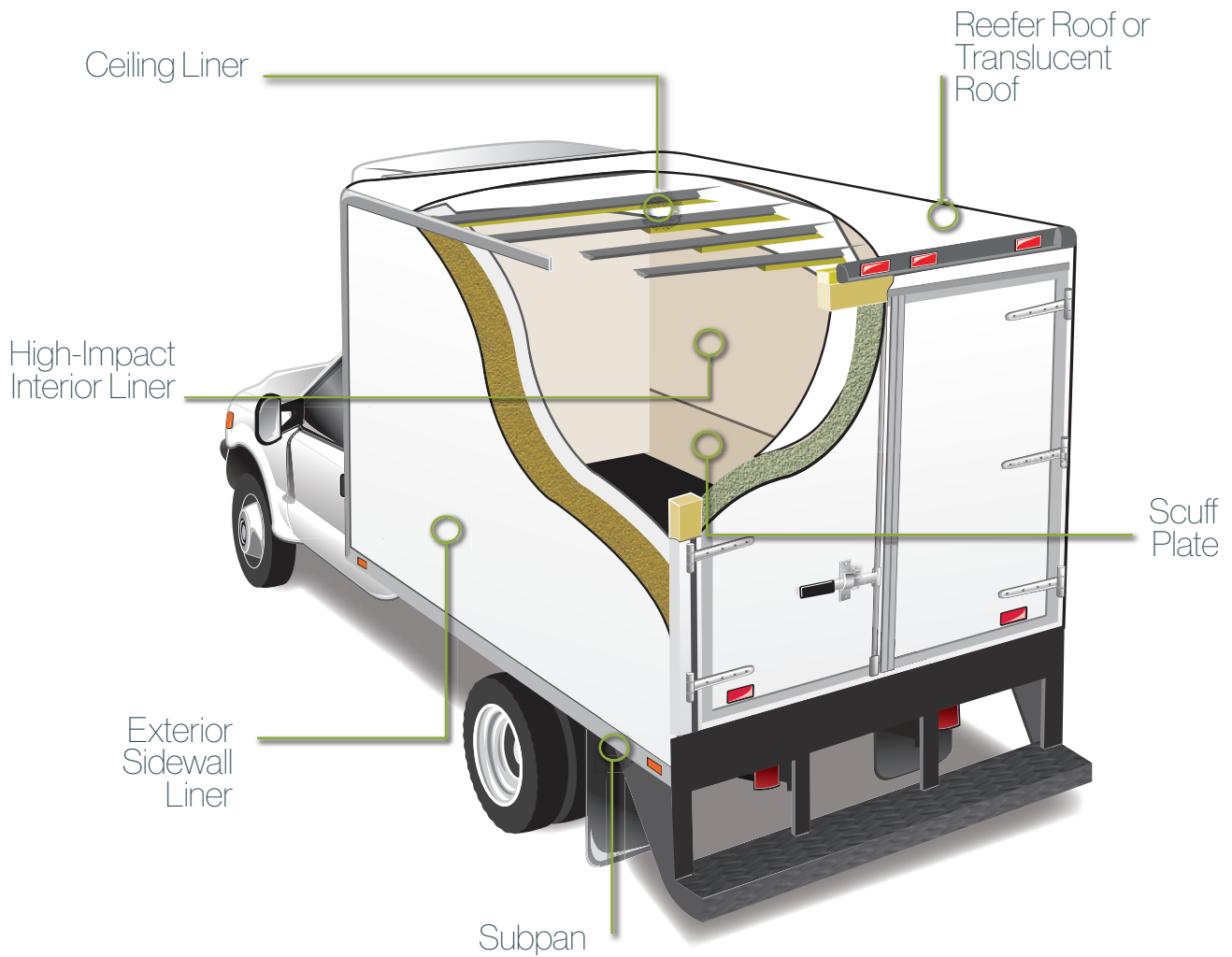


VALTO liners have been designed to allow for full compliance with FSMA/USDA/FSIS requirements for non-food contacting applications for years and support the Food Safety and Modernization Act.



Our products have been used for over 70 years and are used today in food processing plants, restaurants, cold storage and in transportation truck bodies and trailers, because they are a cost effective way to create a clean, durable, and sanitary surface.

TRUCK BODY APPLICATIONS



frp BENEFITS



DURABLE



**MOLD
RESISTANT**



**LIGHT
WEIGHT**



**MOISTURE
RESISTANT**



**EASY
CLEAN**



**EASY
INSTALL**



**HIGH STRENGTH
TO WEIGHT RATIO**



**IMPACT
RESISTANT**

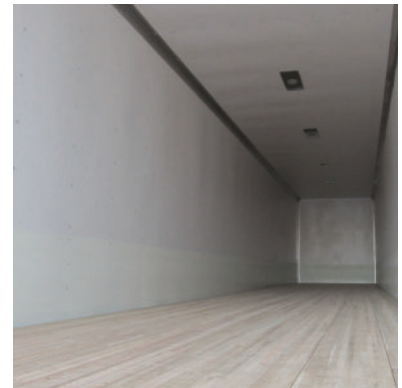
INTERIOR LINERS

SUPERIOR TECHNOLOGY

DRY/REFRIGERATED
TRAILERS + TRUCK BODIES



VALTO has been in the business of lining transportation trailers and truck bodies since 1954.
VALTO liners are lightweight, cleanable, highly stain and abrasion resistant.



frp
BENEFITS



EASY
INSTALL



ABRASION
RESISTANT



EASY
CLEAN



IMPACT
RESISTANT



RESISTS
DAMAGE

VALTO was first to introduce a composite panel into the truck trailer market. Our panels were the first Fiberglass Reinforced Plastic (frp) composite liners and full seamless lightweight liners in the market.

There are many benefits of VALTO's interior liners; they resist damage and look better longer. Our liners are engineered with a matrix of glass reinforcement and other multiple reinforcement options including long chopped glass and woven glass partnered with a durable polyester resin system. With a low vapor transmission rate and abrasion resistant surfaces, VALTO's liner options display a consistent white appearance that is easy to clean and maintain and help to extend the life of the trailer.

THE VALTO DIFFERENCE

RESISTS DAMANGE

- Engineered matrix of glass reinforcement with multiple reinforcement options along with long strand chopped glass and durable polyester resin
- Robust resin system engineered for surface hardness and panel durability

LOOKS BETTER LONGER

- Consistent white appearance that is easy to clean and maintain
- Very low vapor transmission rate, superior to similar materials, which minimize weight gain in your refrigerated vehicle
- Abrasion resistant surface that keeps your vehicle looking better longer
- Equipped with **SURFASEAL**® Technology for unmatched cleanability

THERMOSET LINER ADVANTAGE

- No voids in surface that can trap dirt and debris
- Abrasion resistant product for a hard, dense, resin rich surface that is easily cleaned



EMBOSSSED PANELS

ARMORTUF® EATR HIGH-STRENGTH LINER

Heavy strength, superior impact resistant, fiberglass reinforced plastic (FRP) for trailers that is comprised with woven roving fiberglass, random chopped fiberglass and polyester resin.

ARMORTUF ERMILINER

High-impact resistant liner panel with woven and long strand chopped glass reinforcement in a polyester resin with Surfaseal. The woven fiberglass construction combined with long strand chopped glass provides more consistent physical properties throughout the entire panel. The polyester resin system provides an excellent backside bonding surface for adhesives and foams.

KEMLITE® LTR LINER

Composed of random chopped fiberglass with a polyester resin that is cleanable, stain resistant, and abrasion resistant product.

SMOOTH PANELS

ARMORTUF ARMT HIGH-STRENGTH LINER

Heavy strength, superior impact resistant, fiberglass reinforced plastic (FRP) for trailers that is comprised with woven roving fiberglass, random chopped fiberglass and polyester resin.

ARMORTUF ARMI LINER

High-impact resistant liner panel with woven roving fiberglass, random chopped fiberglass, and polyester resin for trailers and truck bodies that see more abuse than the average truck body.

TRANSLUCENT ROOF

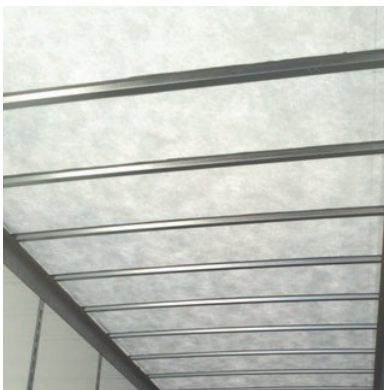
LIGHT, BRIGHT + WATERTIGHT

DRY VAN

TRAILERS, TRUCK BODIES, + DELIVERY VANS



Since 1980, VALTO has provided the market with a superior translucent roof solution that has addressed the needs for a well-lit vehicle that allows for a safer loading and unloading of cargo.



frp
BENEFITS



BLOCKS UV COOLER
THAN ALUMINUM



IMPROVED
PRODUCTIVITY
+ SAFETY



NATURAL
LIGHT



WEIGHT
SAVINGS



EASY TO
REPAIR

All VALTO translucent roofs are in compliance with the FSMA/USDA/FSIS requirements. There are many additional benefits that come along VALTO's translucent roofs; they are a lightweight and a cost efficient way to light a trailer without spending money to install lighting.

THE VALTO DIFFERENCE

IMPROVED PRODUCTIVITY + SAFETY

- Improved visibility for safer loading and unloading of cargo
- Ideal for fleets who make frequent stops and load or unload products by hand
- Natural lighting makes it easier to identify specific cargo

NATURAL LIGHT

- Light transmission with no added wiring or hardware cost
- Unique resin system filters UV light waves and minimizes heat build-up

WEIGHT SAVINGS

- Average weight savings of ~34 lbs. | 15% savings!
- Increased payload and fuel efficiency

EASY TO MAINTAIN

- Excellent surface for standard adhesive types due to the high surface energy of the panel which provides strong bonds to roof bows and top rails.
- Excellent rivet pull-out strength properties because of the woven fiberglass reinforcement along the edge.
- Minimized stress on adhesive and fastener points due to product rigidity.
- Easily repairable when damage does occur.



DRY VAN TRAILER SOLUTIONS

KEMLITE

XLR EXTENDED WEATHERING ROOF

One-piece, high-strength fiberglass reinforced plastic (frp) roof that combines durability and enhanced weathering capabilities with natural lighting for a superior addition to our translucent roof product line. This product is comprised of random chopped fiberglass and polyester resin with woven reinforcement built into the roadside and curbside edges for additional strength at the fasteners. It contains an engineered fabric on the backside for enhanced tear resistance and a unique resin formulation for enhanced weatherability.

The light tint of ultramarine blue provides significant light transmission while limiting heat gain in the trailer compared to standard translucent roofs. This allows for improved safety and productivity for loading and unloading cargo. Additional UV stabilization has shown a reduction in roof degradation by up to one third, helping your roof last longer than standard translucent roof.

TRUCK BODIES + DELIVERY VAN SOLUTIONS

ARMORTUF TRW TRUCK BODY ROOF

Our only roof panel with full-width woven fiberglass mat reinforcement. It is a one-piece high-strength FRP roof | 0.39lbs/ft².

KEMLITE RISC COOL ROOF

Provides low light transmission supporting cooler vehicle temperatures making it ideal for delivery vehicles. A one-piece FRP roof with woven reinforcement built into a roadside and curb side edges for additional rivet pull-out strength. | 0.46lbs/ft².

KEMLITE TI 06 TRANSLUCENT ROOF

Woven fiberglass reinforcement built into roadside and curbside edges for additional rivet pull out strength | 0.37lbs/ft². Our 0.06" thickness is ideal roof for truck bodies and delivery vans.

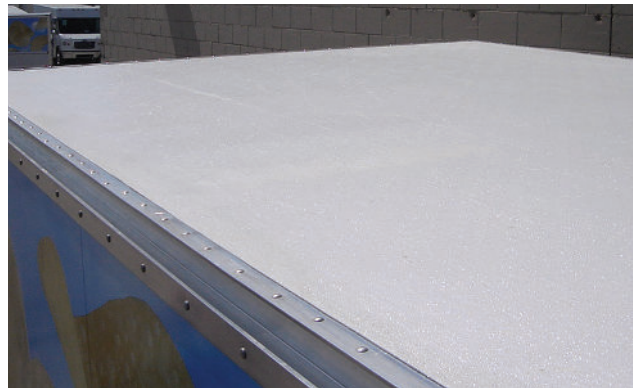
REEFER ROOF[®]

BECAUSE EFFICIENCIES MATTER

REFRIGERATED
TRAILERS + TRUCK BODIES



For a roof solution specifically designed and formulated to improve the thermal efficiencies of your trailer or truck body, one product rises above other materials in the market: KEMLITE Reefer Roof. It is engineered with a unique resin formulation to reflect most heat-generating solar radiation.



All VALTO translucent roofs are in compliance with the FSMA/USDA/FSIS requirements. There are many additional benefits that come along VALTO' Reefer Roof; they have the ability to reflect most solar radiation, reducing heat transfer and reefer unit operating cost.

THE VALTO DIFFERENCE

ENHANCED REINFORCEMENT

- Random long strand chopped fiberglass
- Woven reinforcement built into edges to enhance fastener retention

ENGINEERED FOR THE FLEET

- Contains high amounts of specialized pigments which prevents most solar radiation from being transmitted into the interior of a trailer and enhances the weathering properties of the roof
- Reflects up to 2x the solar radiation when compared to an oxidized aluminum roof
- Thermal break; conducts 1000x less heat than aluminum roof panels
- Improves the ability to maintain vehicle's interior temperature
- Durable, impact resistant roof panels



SCUFF PLATE PANEL

PROTECT YOUR SIDEWALLS

DRY/REFRIGERATED
TRAILERS + TRUCK BODIES



KEMLITE Scuff Plate panels are a high-impact, durable, thin lightweight product that are more cleanable, more stain resistant, and more abrasion resistant than competitive plastic materials and alternative solutions such as wood and aluminum.

KEMLITE Scuff Plate is specifically designed and formulated for use as a scuff plate to protect your sidewalls from forklift and pallet damage in high abuse or impact areas within your vehicle.

DESIGNED TO LAST

- Minimizes damage caused by forklifts, pallets, crates, and cargo
- Maximizes available payload
- Protects against dents and tears
- Equipped with unique Surfaseal Technology for unmatched cleanability and stain resistance
- A fraction of the weight and thickness of alternative materials

PANEL OPTIONS

KEMLITE EGAT GATORPLATE

High-impact durable fiberglass reinforced plastic (FRP) panel in a 0.145" thickness. Thinner high impact panel - weight savings without sacrificing strength.

KEMLITE STI MONSTER SCUFF

High-impact, semi-rigid, durable fiberglass reinforced plastic (FRP) panel in a 0.24" thickness. High impact strength allows for counter sunk fasteners.

EXTERIOR SIDEWALLS

HIGH GLOSS FINISH
DRY/REFRIGERATED
TRUCK BODIES + DELIVERY VANS



VALTO exterior sidewall panels are specifically engineered to provide unsurpassed performance against weathering. Composed of thermoset polyester resin and chopped fiberglass strands, VALTO sidewall panels are superior in both appearance and durability versus any other type of product. The exclusive VALTO gel-coat surface is highly scratch and abrasion resistant, adding years of life of the vehicle. VALTO exterior sidewall panels and finishes come in a variety of thicknesses, colors and sizes. Choose from one of our VALTO Fiberglass panels.

PANEL OPTIONS

NOBLE SELECT (NS)

An all-composite, wood-free exterior panel with superior surface and weathering performance. VALTO's premium solution is Noble Select is designed for laminated. Paint and graphic friendly.

FILON GOLD (CAU)

FILON GOLD panels set the GOLD standard with a premium, high-gloss finish. It delivers the smoothest finish with gel-coat for a fiber free result. FILON GOLD is engineered with a superior resin system to provide best-in-class thermal stability.

KEMPLY®

LAMINATED SOLUTIONS



Wood offers a panel construction that exhibits superior structural strength and rigidity. Wood cores are available in plywood in a variety of thicknesses depending on the performance required.

We can laminate to other materials or any VALTO material to either or both sides of the substrate.

PANEL OPTIONS

KEMPLY® WITH PLYWOOD

Plywood (BCX) with 0.05" fiberglass panel laminated to one side of substrate.

available thicknesses: 0.375", 0.5", or 0.625"

REPAIR KITS

DESIGNED FOR QUICK, DURABLE REPAIRS



Repair Kits	REPAIR DESCRIPTIONS	KIT COMPONENTS	FEATURES
Liner Repair Kit	The Liner Repair Kit is specifically designed to repair damage to VALTO' liner panels. The Liner Repair Kit can be used for small and large tears and punctures.	The kit includes VALTO's unique resin mix, a chopped glass mat, film, and catalyst.	<ul style="list-style-type: none"> • Minimal Equipment • Film and Fiberglass Included For Your Needs • Chemicals Must Be Mixed Using Kit Supplies
SunPatch Roof Repair Kit	The SunPatch Fiberglass Repair Kit is specifically designed to repair damage to VALTO' roof panels. The Sun-Patch is intended for small tears and punctures. The SunPatch cures in 5-10 minutes after exposure to UV rays.	The patch is a resin impregnated fiberglass mat that is ready for application. No mixing is required.	<ul style="list-style-type: none"> • Minimal Equipment • Quick, On-Site Repair • Cures with UV Light • Minimal Labor
Translucent Roof Repair Kit	The Translucent Repair Kit is specifically designed for repairing damage to VALTO's roof panels. The Translucent Roof Repair Kit can be used for small tears, and large tears or gouges.	The kit includes VALTO's unique resin mix, a chopped glass mat, film, and catalyst.	<ul style="list-style-type: none"> • Durable Repair • Film and Fiberglass Included For Your Needs • Chemicals Must Be Mixed Using Kit Supplies

since 1954

THE BEST OPTIONS FOR IMPORTANT PLACES



OVER
70
YEARS OF
EXPERTISE

At Valto, we partner with our customers, and through innovation, deliver advanced materials that enhance everyday environments. We succeed through a culture of collaboration, continuous improvement, and excellence. With integrity at our core, we challenge the status quo and pursue innovative approaches that benefit our customers and associates.

With over 70 years of innovative products and services, Valto Engineered Materials is a leading provider of FRP composite panels. Our lightweight composite products deliver unsurpassed strength and durability; and we continue to pioneer next level performance in building materials, recreational vehicles, and transportation.

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