

VALTO

ENGINEERED
SOLUTIONS





frp

FIBERGLASS REINFORCED PANELS

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

When you need light transmitting panels with extreme weather resistance, fiberglass reinforced plastic (FRP) panels are the perfect choice for your applications. From moisture and corrosion to cracking and chemicals, our FRP panels are able to stand up to even the harshest environments - with a broad range of product offerings.

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 are suitable for most any commercial space and provide key benefits including:



CUSTOMIZED STYLE

Take your surfaces beyond with our wide range of resins, profiles, colors, weights and surface types, offering you endless options.



DEPENDABLE PERFORMANCE

So, what is FRP? It's a thermoset composite made from fiberglass reinforcement in a plastic polymer matrix. A wide variety of physical strengths and mechanical properties can be engineered into FRP, making it ideal for several applications.



SIMPLE + COST EFFECTIVE

Count on VALTO FRP panels for extremely strong, durable panels that provide resistance to mold, mildew, bacteria growth, stains and chemicals. Plus, they're easy on your budget and designed to last for years to come.

WE HAVE TOUGH PANELS



FOR TOUGH ENVIRONMENTS

frp

APPLICATIONS



DAYLIGHTING SOLUTIONS

skylights | sidelights | wall systems



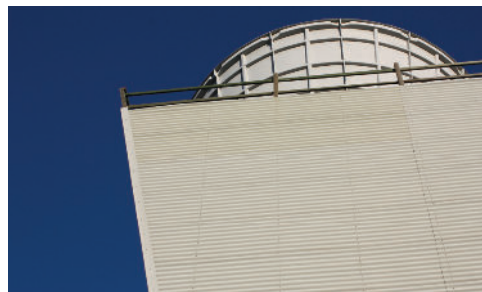
INDUSTRIAL STRUCTURES

wall liners | roof & side lights | warehouse & storage buildings



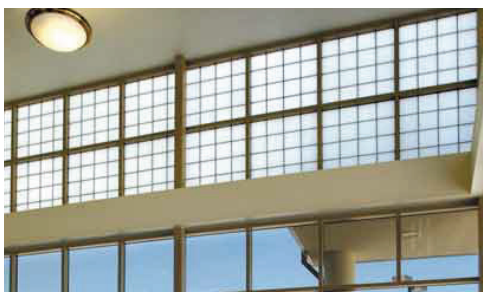
GREENHOUSE PANELS

greenhouse roofing | greenhouse sidewalls
roof lights



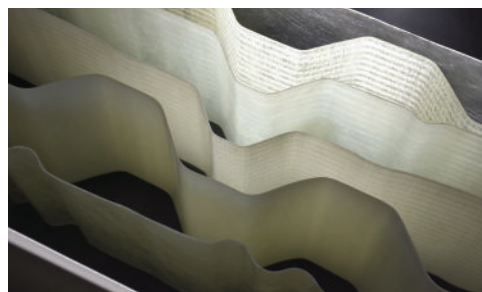
COOLING TOWER PANELS

counterflow towers | crossflow towers
field erected towers | factory assembled towers



CURTAIN WALL SOLUTIONS

architectural skylights | covered walkways
canopies | wall systems



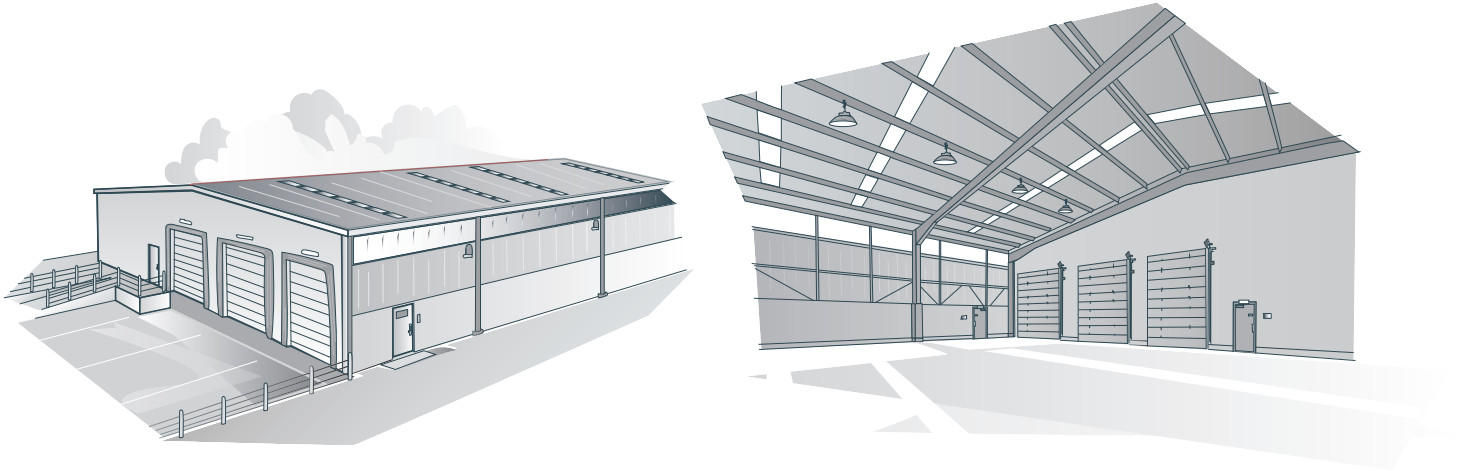
RESIN OFFERINGS

sunstrong | duralite | isotuff | fire-rated

DAYLIGHTING

SOLUTIONS

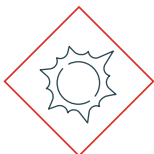
AVAILABLE IN 8 STANDARD PROFILES
AND 2 RESIN SYSTEMS



Our fiberglass reinforced plastic daylighting panels are perfect to let natural light into your space. Our panels are available in various colors and weights to customize the light transmission you need.



frp BENEFITS



**NATURAL
LIGHT**



**WITHSTANDS ELEMENTS
+ HARSH CONDITIONS**



**EASY TO
MAINTAIN**



**WATER + CORROSION
RESISTANT**



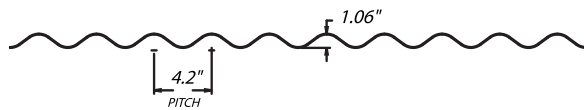
**DURABLE + IMPACT
RESISTANT**

NATURAL LIGHT

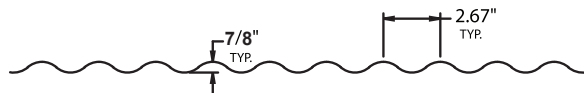
VALTO'S daylighting panels can be counted on to battle any type of harsh environment. We combine resin systems, profiles, reinforcements, and weights to engineer custom solutions for your daylighting needs. Our daylighting resins, Duralite and Sunstrong exceed performance goals all while maintaining a budget. Like other VALTO products, our daylighting solutions are ICC (International Code Council) certified.

Imagine the difference in your space when you allow in soft, natural light. Not only will it boost the morale of your buildings occupants, but it will eliminate issues that are common with glass skylights. Issues such as glare on cell phones and computers as well as hot spots in buildings. Our daylighting products provide equal light transmittance throughout the space and enhances light distribution.

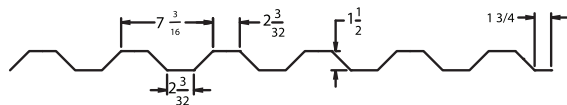
STANDARD PROFILES



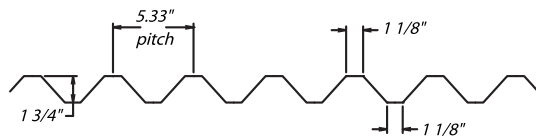
4.2" x 1-1/16" Rib | Profile #008



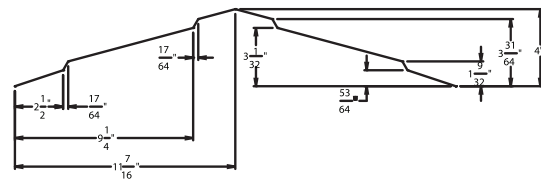
2.67" x 7/8" Rib | Profile #009



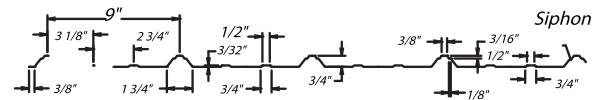
7.2" x 1-1/2" Box Rib | Profile #455



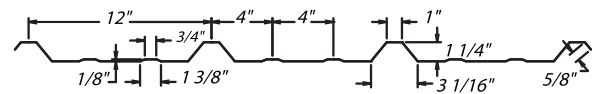
5.33" x 1-3/4" V-Beam | Profile #041



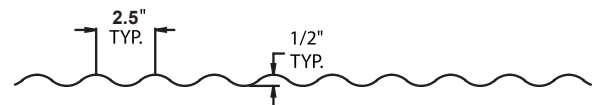
Ridgelight | Profile #297



Grand Rib III | Profile #509



R-Panel | Profile #162



2.5" x 1/2" Rib | Profile #010

RESIN OFFERINGS

SUNSTRONG

Designed with premium weathering and exceptional color stability. Utilizing an advanced polymer resin system.
see page 13 for more information

DURALITE

Acrylic-modified resin system designed to improve weatherability and backed with a ten-year limited warranty.
see page 14 for more information

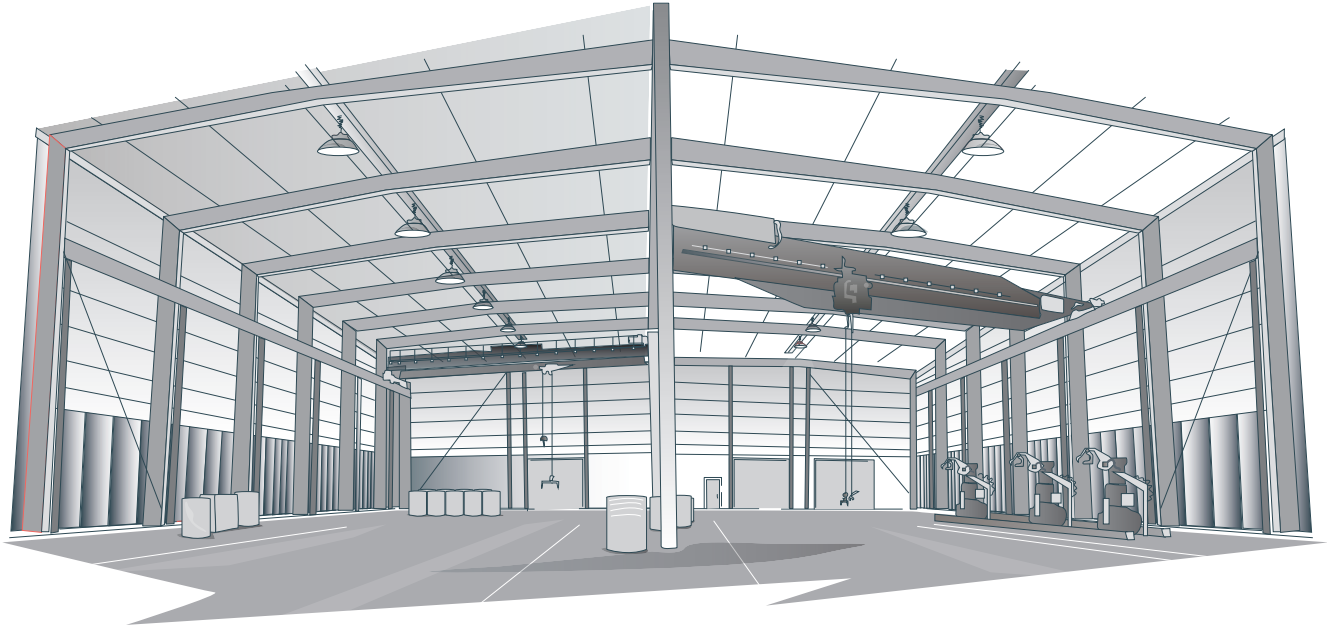


SKYLIGHTS | SIDELIGHTS | WALL SYSTEMS | + MORE

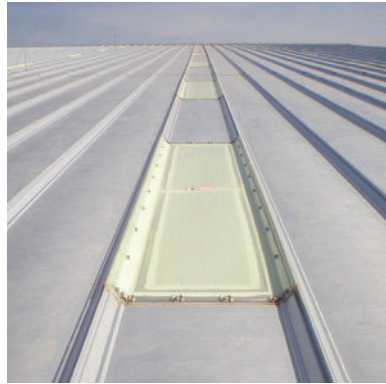
INDUSTRIAL

STRUCTURES

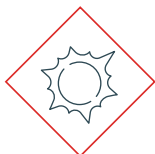
AVAILABLE IN 6 STANDARD PROFILES
AND 1 RESIN SYSTEM



Our fiberglass reinforced plastic industrial structure panels are engineered to survive in harsh environments, FRP won't rot, rust, mold or mildew and resists corrosion from chemicals. are perfect to let natural light into your space.



frp
BENEFITS



**NATURAL
LIGHT**



**WITHSTANDS ELEMENTS
+ HARSH CONDITIONS**



**EASY TO
MAINTAIN**



**WATER + CORROSION
RESISTANT**



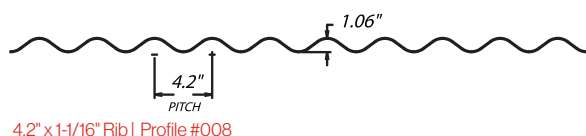
**DURABLE + IMPACT
RESISTANT**

WITHSTAND THE ENVIRONMENT

VALTO fiberglass reinforced plastic (FRP) industrial panels are engineered to withstand chemicals and corrosion. Our industrial panels are designed to withstand your harsh environments. They are also moisture resistant and won't rot, rust or mildew. Our panels are specifically engineered for use in facilities and applications where corrosion may be a factor.

VALTO provides a product that will meet performance goals while maintaining a budget. We combine resin systems, profiles, reinforcements and weights to engineer custom solutions.

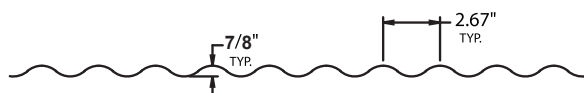
STANDARD PROFILES



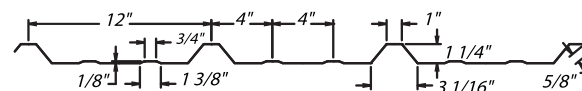
4.2" x 1-1/16" Rib | Profile #008



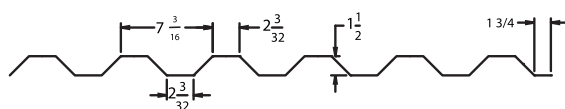
5.33" x 1-3/4" V-Beam | Profile #041



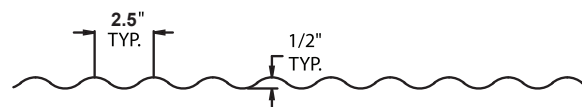
2.67" x 7/8" Rib | Profile #009



R-Panel | Profile #162



7.2" x 1-1/2" Box Rib | Profile #455



2.5" x 1/2" Rib | Profile #010

RESIN OFFERINGS

ISOTUFF

Premium resin system uses an Isophthalic Neopentyl Glycol (NPG). For use where a Class A per ASTM E-84 fire rating is required.

see page 15 for more information



WALL LINERS | ROOF + SIDELIGHTS | WAREHOUSE + STORAGE BUILDINGS | + MORE

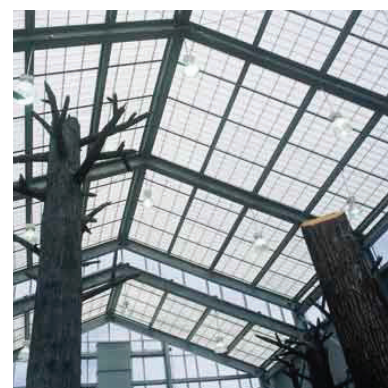
GREENHOUSE

PANELS

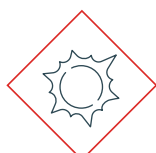
AVAILABLE IN 5 STANDARD PROFILES
AND 2 RESIN SYSTEMS



Our fiberglass reinforced plastic greenhouse panels are engineered to promote growth. Our panels are available in a flat or corrugated profile. We combine resin systems, profiles, reinforcements and weights to engineer custom solutions.



frp
BENEFITS



**NATURAL
LIGHT**



**WITHSTAND ELEMENTS
+ HARSH CONDITIONS**



**EASY TO
MAINTAIN**



**WATER + CORROSION
RESISTANT**



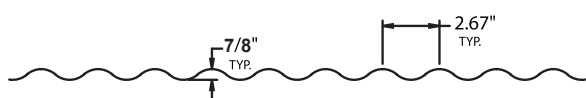
**DURABLE + IMPACT
RESISTANT**

PROMOTE GROWTH

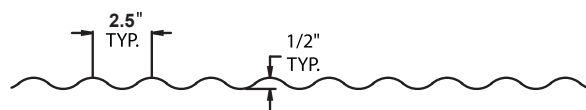
VALTO fiberglass reinforced plastic (FRP) greenhouse panels provide superior transparencies, durability, and a longer life span than competing products. Our Greenhouse panels provide well balanced lighting throughout your space to provide the best growing conditions for your product.

The lighting provided by our panels also helps our customers achieve great energy savings by allowing in an abundant amount of natural light. This helps eliminate the dependency on extra lighting equipment in your facility.

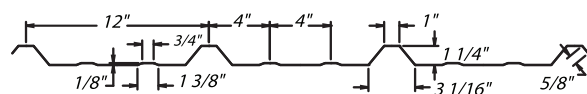
STANDARD PROFILES



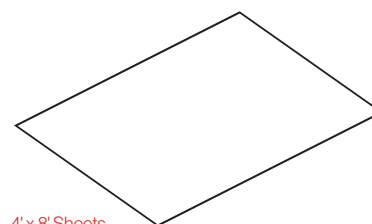
2.67" x 7/8" Rib | Profile #009



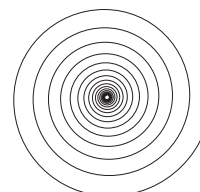
2.5" x 1/2" Rib | Profile #010



R-Panel | Profile #162



4' x 8' Sheets



4' x 50' - 500' Coil

RESIN OFFERINGS

CRYSTALITE

Unique resin promotes plant growth and provides better weathering than acrylic modified systems.

SUNSTRONG

Designed with premium weathering and exceptional color stability. Utilizing an advanced polymer resin system.

see page 13 for more information

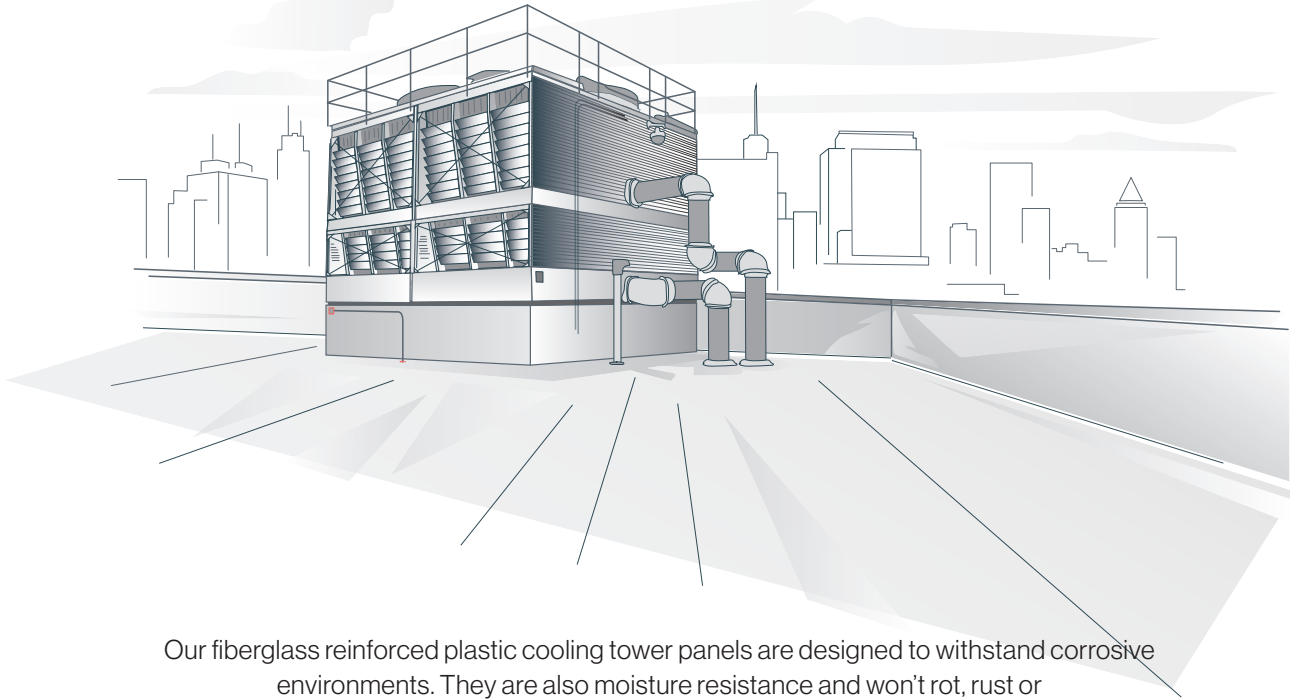


GREENHOUSE ROOFING | GREENHOUSE SIDEWALLS | + MORE

COOLING TOWER

PANELS

AVAILABLE IN 4 STANDARD PROFILES
AND 2 RESIN SYSTEMS

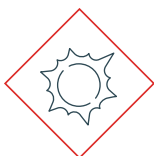


Our fiberglass reinforced plastic cooling tower panels are designed to withstand corrosive environments. They are also moisture resistance and won't rot, rust or mildew.



frp

BENEFITS



**NATURAL
LIGHT**



**WITHSTANDS ELEMENTS
+ HARSH CONDITIONS**



**EASY TO
MAINTAIN**



**WATER + CORROSION
RESISTANT**



**DURABLE + IMPACT
RESISTANT**

CORROSION RESISTANCE WINS

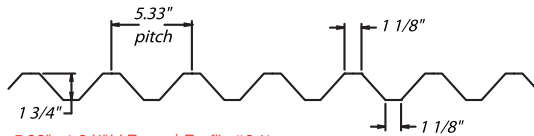
VALTO fiberglass reinforced plastic (FRP) cooling tower panels provide superior strength and longer life spans for your applications. Our panels are specifically engineered for use as louvers, stair enclosures and exterior casings. With high strength at the forefront, our cooling tower panels can withstand all weather climates, high wind loads and much more.

We can combine resin systems, profiles, reinforcements and weights to help customize a solution for your cooling tower needs. By VALTO'S FRP panels, you are making the best choice for the corrosive environments of the cooling tower industry.

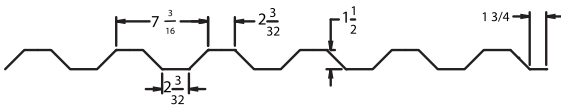
STANDARD PROFILES



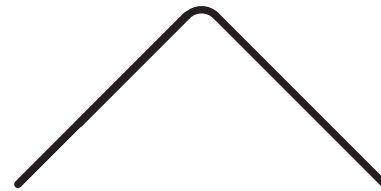
4.2" x 1-1/16" Rib | Profile #008



5.33" x 1-3/4" V-Beam | Profile #041



7.2" x 1-1/2" Box Rib | Profile #455



Corner Roll | Profile #152

RESIN OFFERINGS

FIRE RATED

For use where a Class A per ASTM E-84 fire rating is required.

[see page 15 for more information](#)

NON-FIRE RATED

Economical solution for use where a specific fire rating is not required.

[see page 15 for more information](#)

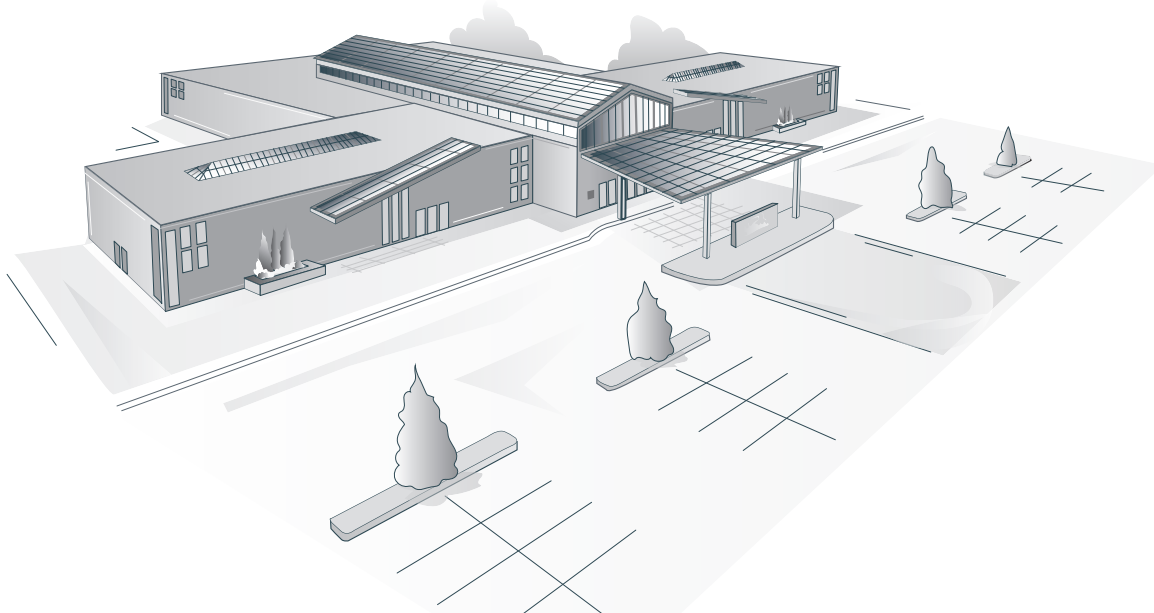


COUNTERFLOW TOWERS | CROSSFLOW TOWERS | FIELD ERECTED TOWERS | + MORE

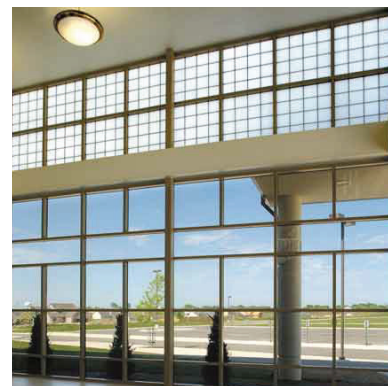
CURTAIN WALL

SOLUTIONS

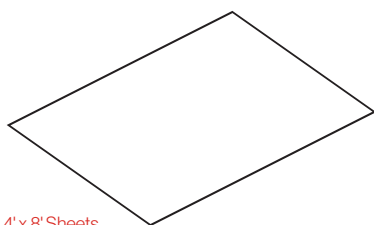
AVAILABLE IN 2 STANDARD PROFILES
AND 2 RESIN SYSTEMS



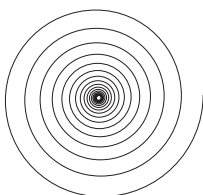
Our fiberglass reinforced plastic curtain wall solutions can be used in skylights, sidelights, canopies, covered walkways and wall lighting systems. VALTO FRP adds glare-free natural lighting into your space that protects against hot-spots inside your building. Fire rated curtain wall products are also available.



STANDARD PROFILES



4' x 8' Sheets



4' x 50' - 500' Coil

RESIN OFFERINGS

SUNSTRONG

Designed with premium weathering and exceptional color stability. Utilizing an advanced polymer resin system and backed with a 20-year limited warranty [see page 13 for more information](#)

FIRE RATED CURTAIN WALL

Suitable for use when a Class A fire rating is required. Utilizing a fire rated polymer resin system. [see page 15 for more information](#)

SUNSTRONG®

RESIN SYSTEM

SUNSTRONG is designed with premium weathering and exceptional color stability in mind. Utilizing an advanced polymer resin system, SUNSTRONG panels are designed to brighten your facility with soft, natural light. Their exceptional color stability and superior weather performance are ideal for metal building and curtain wall light, skylight and sidelight applications.



SUNSTRONG



Competitive Panels

SUNSTRONG panels were installed 5 years ago alongside competitive panels as translucent white sidelights on the same wall. The panels were installed facing south in a southeastern location in the United States. SUNSTRONG panels remain bright white while the conventional FRP panels have characteristically yellowed. SUNSTRONG panels are proven color-stable, durable, strong, and low maintenance.

PRODUCT INFORMATION



WEIGHTS:

6 oz. | 8 oz. | 12 oz.
(additional weights may be available via custom order)



REINFORCEMENT:

Standard | Random chopped glass
High Strength | Woven roving



COLOR + LIGHT TRANSMISSION:

Color	min	typ	max
CLEAR	75%	80%	85%
WHITE	40%	45%	50%

*Colors shown are the most widely used in translucent applications. Percentages of transmission shown are nominal values with a tolerance of + or - 5%. Additional information available upon request. Light Transmission based on 8 oz. product. Additional colors available via a custom order.

Methods of test: per ASTM D1494



FIBERBLOOM:

QUVA Exposure Hours	500	1000	1500	2000
SUNSTRONG	10	10	10	10

10 - No Effect/Perfect | 8 Very Slight | 6 Slight to Moderate
4 - Moderate to Severe | 2 Very Severe | 0 Extreme

ADDITIONAL INFORMATION

please refer to the following technical data sheets with full physical properties at valtoem.com

Standard (ST) | Form #6874

High Strength (STW) | Form #6875

DURALITE® RESIN SYSTEM

DURALITE panels are available in translucent and opaque options. DURALITE panels are designed to brighten your facility, while offering chemical resistance. These versatile panels are suitable for various daylighting solutions from skylight to sidelight to wall system applications.



PRODUCT INFORMATION

**WEIGHTS:**

8 oz. | 12 oz.
(additional weights may be available via custom order)

**REINFORCEMENT:**

Standard | Random chopped glass
High Strength | Woven roving

**LIGHT TRANSMISSION:**

Opaque
40%-50%
50%-60%
80%

ADDITIONAL INFORMATION

please refer to the following technical data sheets with full physical properties at valtoem.com

Standard (DL) | Form #6456

High Strength (DLW) | Form #6448

COOLING TOWER

RESIN SYSTEM

Our Cooling Tower products are opaque panels intended for use as casings and louvers for cooling tower applications. The FRP panels come in both Non-Fire Rated and Class A Fire-Rated resin formulations. We can combine resin systems, profiles, reinforcements and weights to help customize a solution for your cooling tower.

ADDITIONAL INFORMATION

please refer to the following technical data sheets with full physical properties at valtoem.com

Non-Fire Rated (CTN) | Form #3701

Fire Rated (CTA) | Form #3702

CURTAIN WALL

RESIN SYSTEM

Our fire rated Curtain Wall products are translucent panels are suitable for use when a Class A fire rating is required. The FRP panels use a fire rated polymer resin system. This resin is combined with random chopped fiberglass for reinforcement. For added strength, we offer an option with a woven roving.

ADDITIONAL INFORMATION

please refer to the following technical data sheets with full physical properties at valtoem.com

Fire Rated (FRCW) | Form #7059

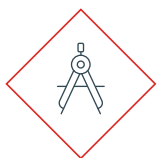
Fire Rated High Strength (FRCWW) | Form #7078

ISOTUFF

RESIN SYSTEM

Our ISOTUFF products are a high strength solution for use in applications where a Class A Fire Rating is required. This product contains improved chemical and corrosion resistance and is a perfect solution to meet those applications. ISOTUFF is available and sold in industrial and cooling tower applications.

PRODUCT INFORMATION



WEIGHTS:

8 oz. | 10 oz. | 12 oz. | 16 oz.

(additional weights may be available via custom order)

ADDITIONAL INFORMATION

please refer to the following technical data sheets with full physical properties at valtoem.com

Standard (IF) | Form #3704

High Strength (IFW) | Form #3703

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.

Since 1954, Valto Engineered Materials has provided innovative products and services and 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.

VALTOfrp.com | 1.800.435.0080 | sales@valtoem.com

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Form 7842 | Rev. 02 | 09.25 (10316)

