

**CRANE**

Composites

STYLED + DURABLE  
**surface systems**

Engineered Solutions Panels SunStrong® | Duralite® | IsoTuff® | General Purpose



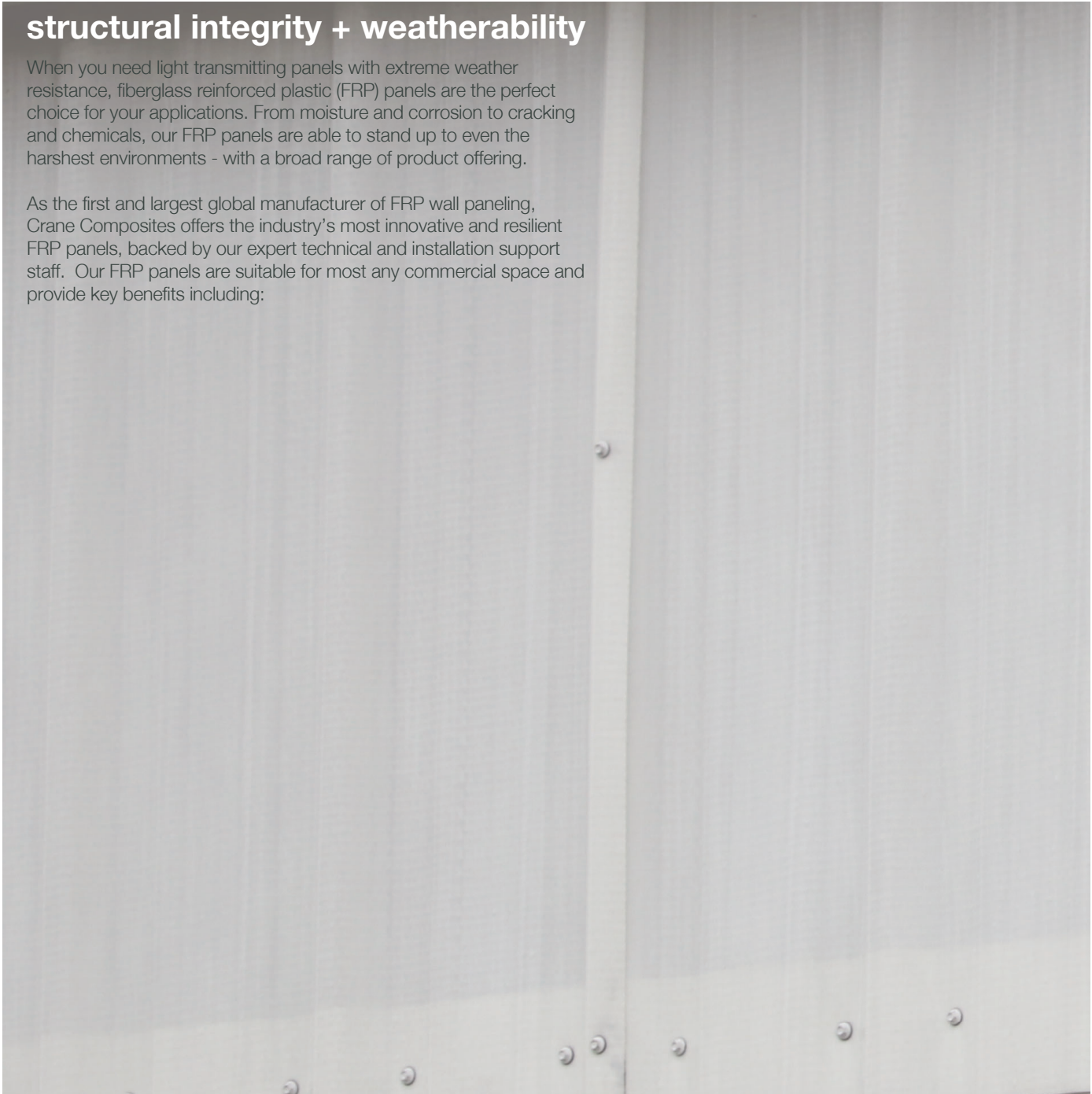
**frp** Fiberglass Reinforced Panels

## why **frp**? where **frp**?

### structural integrity + weatherability

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 offering.

As the first and largest global manufacturer of FRP wall paneling, Crane Composites 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 Crane 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.

there is more to **frp** than ever before

### **daylighting solutions**

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 | general purpose | isotuff | fire-rated

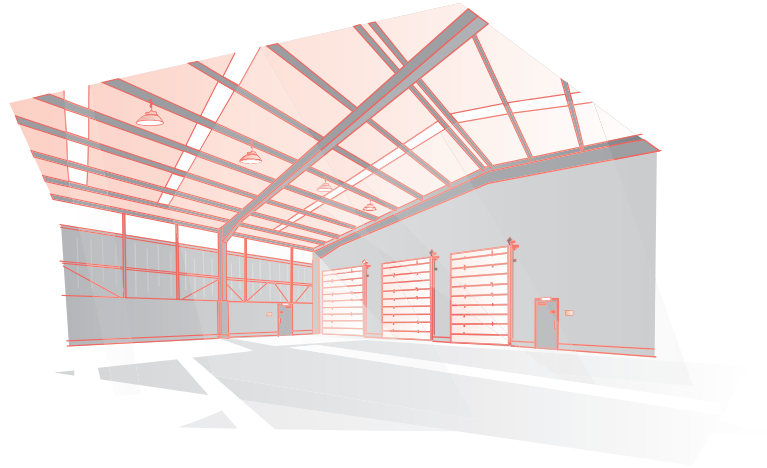
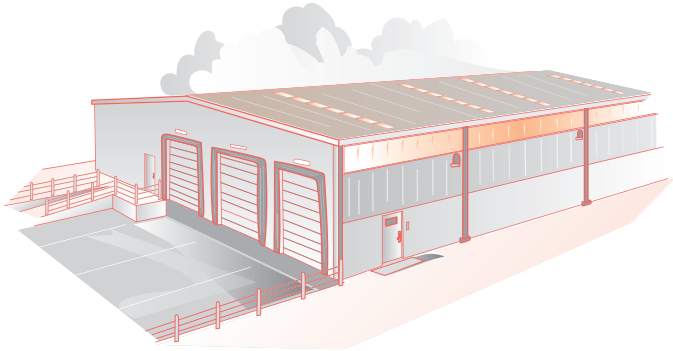
### **assembled panels**

roof & sidelights

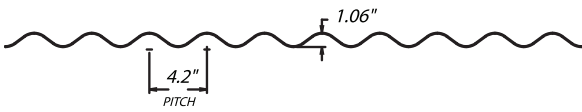


# Daylighting Solutions

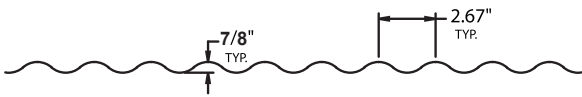
SKYLIGHTS | SIDELIGHTS | WALL SYSTEMS



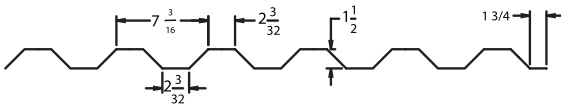
## standard profiles



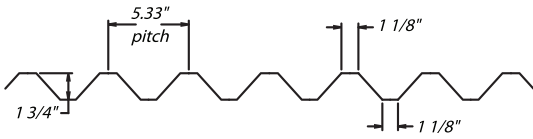
4.2" x 1-1/16" Rib | Profile #008



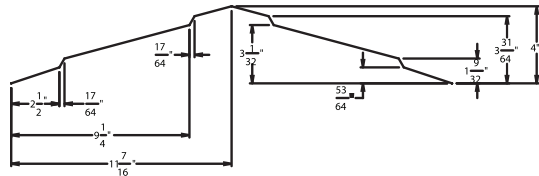
2.67" x 7/8" Rib | Profile #009



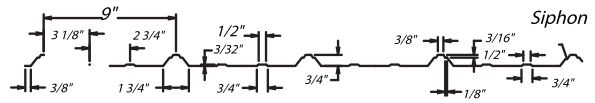
7.2" x 1-1/2" Box Rib | Profile #455



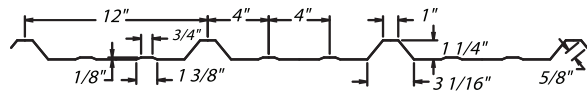
5.33" x 1-3/4" V-Beam | Profile #041



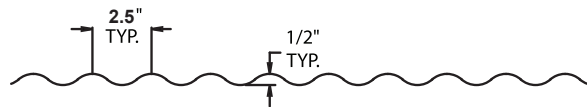
Ridgelight | Profile #297



Grand Rib III | Profile #509



R-Panel | Profile #162



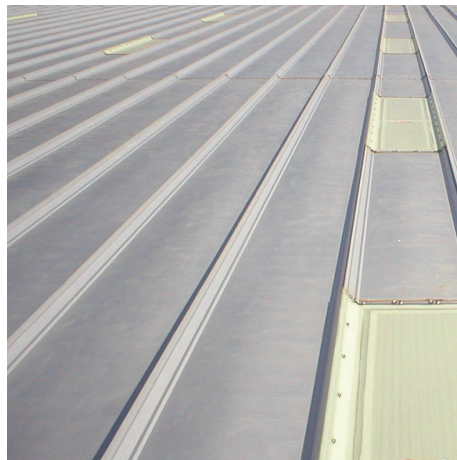
2.5" x 1/2" Rib | Profile #010

## Natural Light

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.

Solutions that are designed to last; Crane Composites' 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 three daylighting resins, Duralite, Sunstrong and General Purpose exceed performance goals all while maintaining a budget. Like other Crane Composites' 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.



### resin systems

#### SunStrong

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

*see page 14 for more information*

#### Duralite

Acrylic-modified resin system designed to improve weatherability and backed with a ten-year warranty.

*see page 16 for more information*

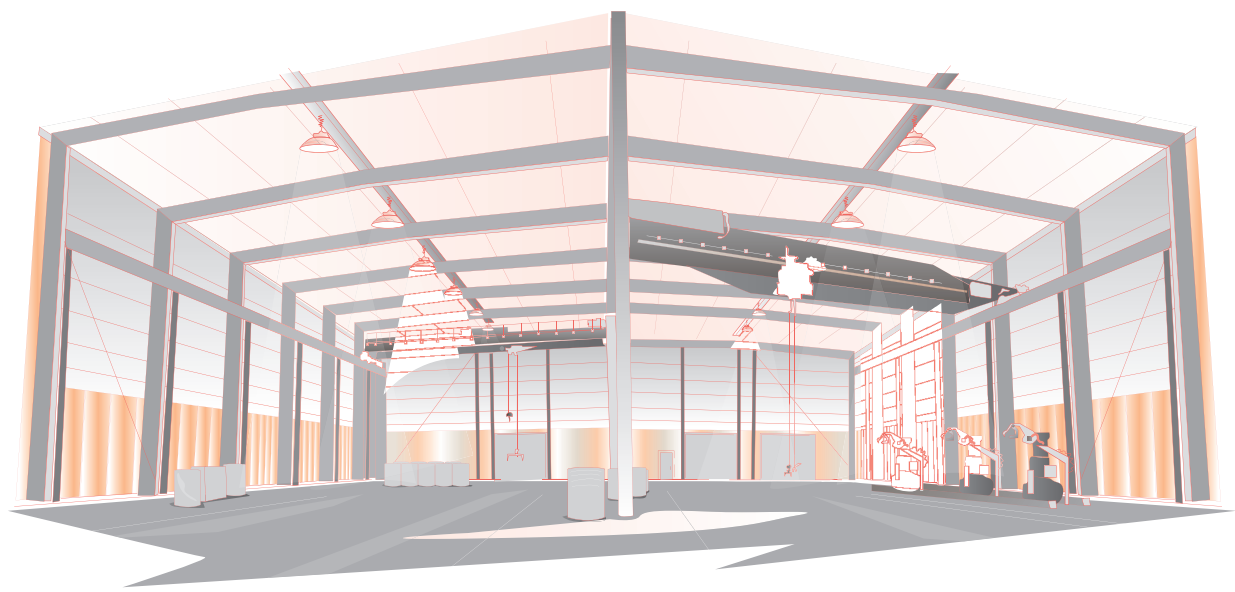
#### General Purpose

General purpose resin system combined with random chopped fiberglass for reinforcement.

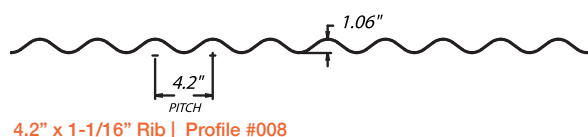
*see page 17 for more information*

# Industrial Structures

WALL LINERS | ROOF & SIDE LIGHTS | WAREHOUSE & STORAGE BUILDINGS



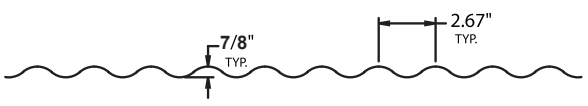
## standard profiles



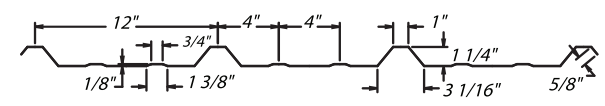
4.2" x 1-1/16" Rib | Profile #008



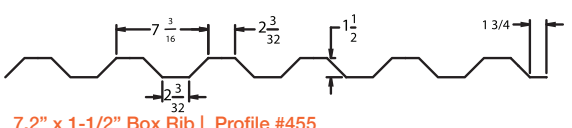
5.33" x 1-3/4" V-Beam | Profile #041



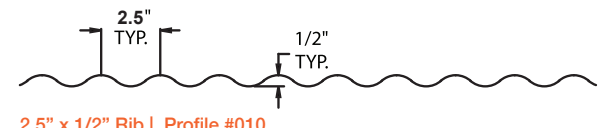
2.67" x 7/8" Rib | Profile #009



R-Panel | Profile #162



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



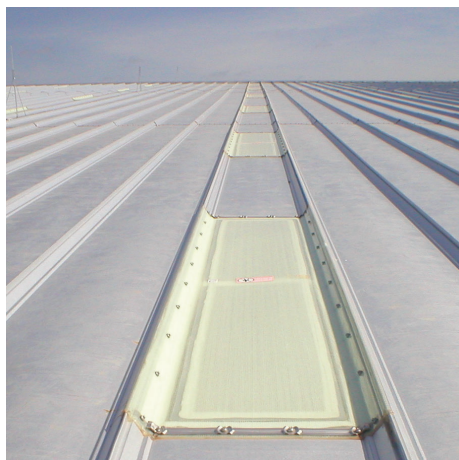
2.5" x 1/2" Rib | Profile #010

## Withstand Environment

Engineered to survive in harsh environments, FRP won't rot, rust, mold or mildew and resists corrosion from chemicals.

For industrial panels with superior dependability, one product rises above the others: Crane Composites fiberglass reinforced plastic (FRP) industrial panels are engineered to withstand chemicals and corrosion.

Count on Crane Composites' industrial panels 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 refineries, paper mills, mining operations, wastewater facilities and many applications where corrosion may be a factor. Crane Composites provides a product that will meet performance goals while maintaining a budget. We combine resin systems, profiles, reinforcements and weights to engineer custom solutions.



### resin systems

#### 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 18 for more information*

#### General Purpose

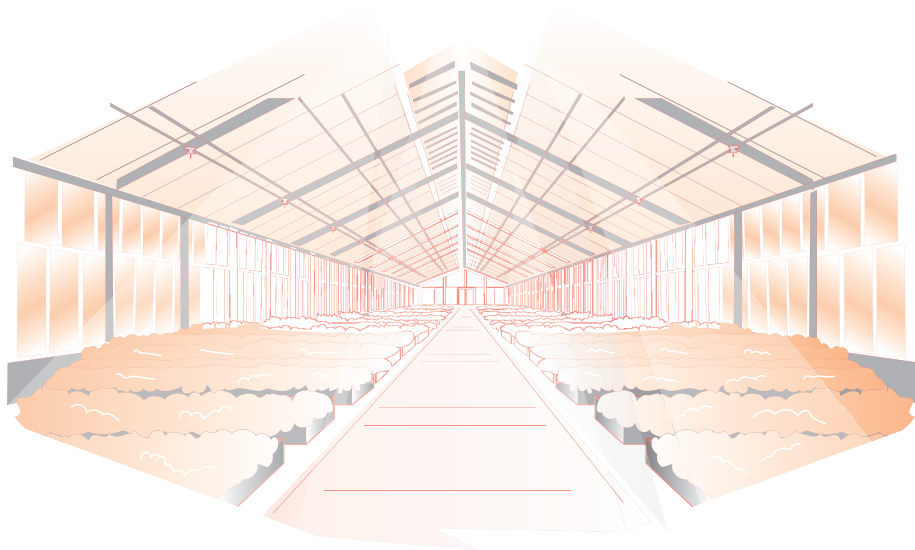
Resin combined with random chopped fiberglass for reinforcement.

*see page 17 for more information*

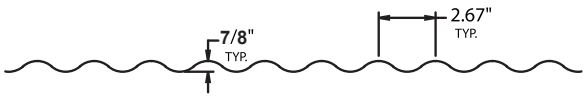
ask about our industrial structures at: **1.815.467.8600**

# Greenhouse Panels

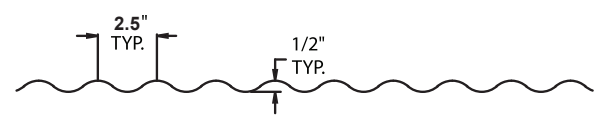
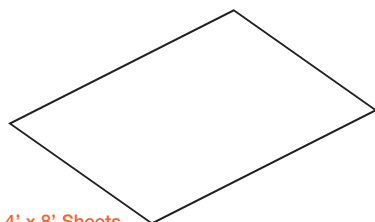
GREENHOUSE ROOFING | GREENHOUSE SIDEWALLS



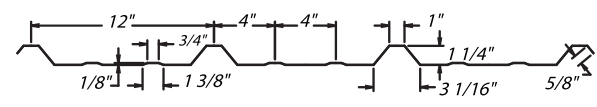
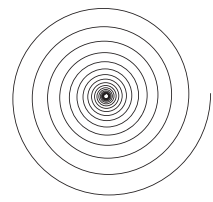
## standard profiles



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



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



R-Panel | Profile #162



## Promote Growth

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.

Our 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.



### resin systems

#### Crystalite

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

#### SunStrong

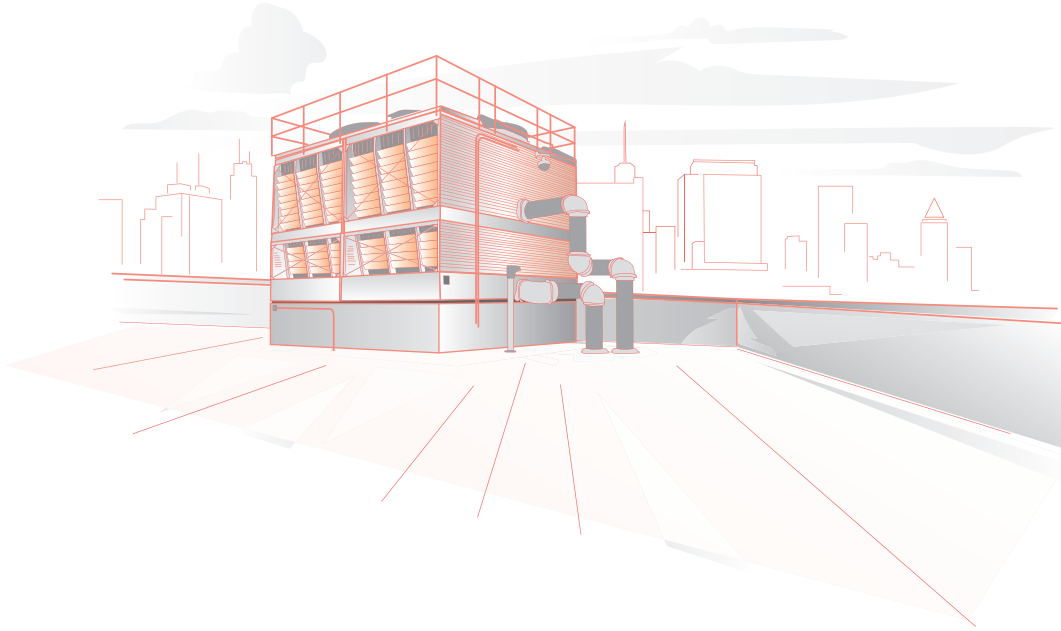
Designed with premium weathering and exceptional color stability. Utilizing an advanced polymer resin system.

*see page 14 for more information*

to find molable profiles more information on our available profiles visit: [CraneFRP.com](http://CraneFRP.com)

# Cooling Tower Panels

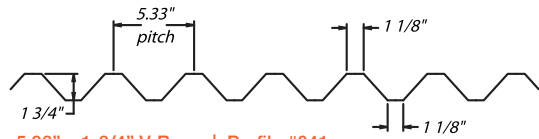
COUNTERFLOW TOWERS | CROSSFLOW TOWERS | FIELD ERECTED TOWERS



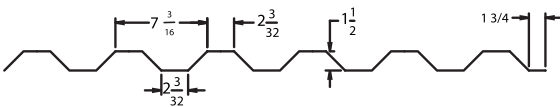
## standard profiles



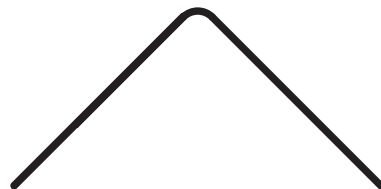
4.2" x 1-1/16" Rib | Profile #008



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



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



Corner Roll | Profile #152

## Corrosion Resistant

Count on Crane Composites' cooling tower panels that are designed to withstand corrosive environments. They are also moisture resistance and won't rot, rust or mildew.

For superior strength and longer life spans, our FRP panels are the leading option to help your cooling tower 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 choosing Crane Composites' FRP panels, you are making the best choice for the corrosive environments of the cooling tower industry.



### resin systems

#### Fire Rated

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

*see page 18 for more information*

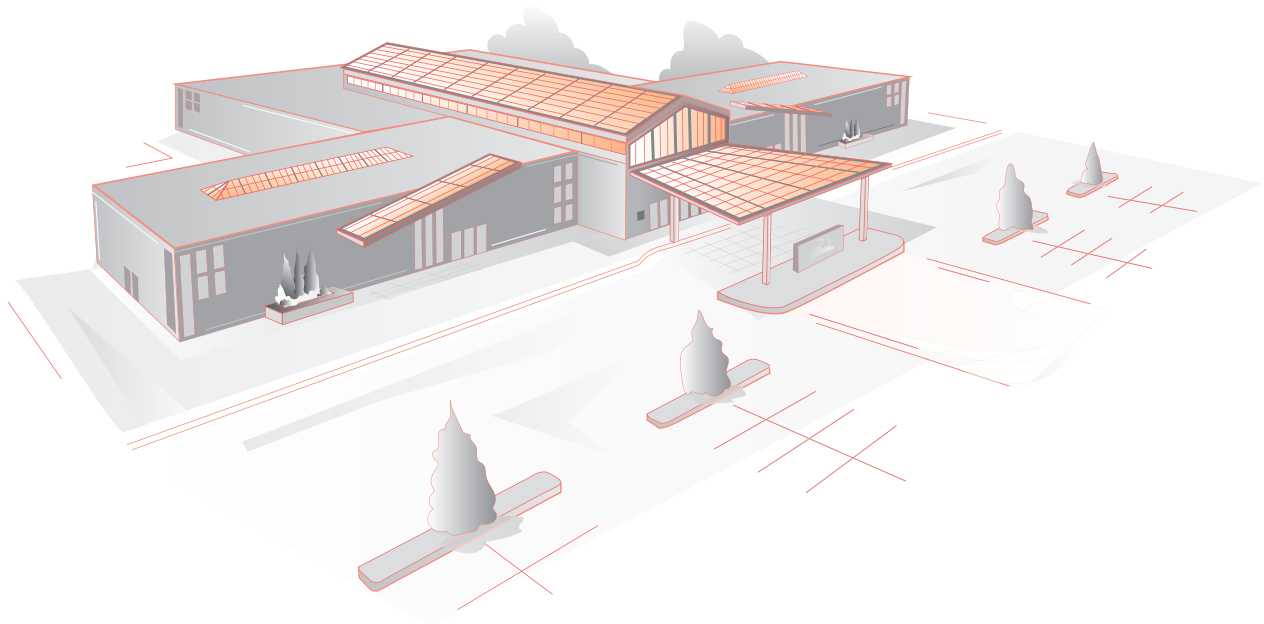
#### Non-Fire Rated

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

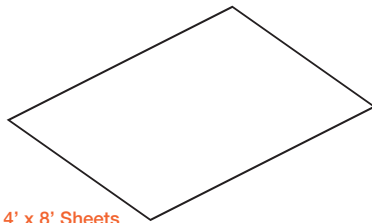
*see page 18 for more information*

# Curtain Wall Solutions

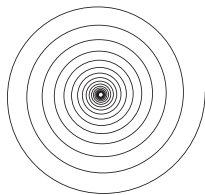
SKYLIGHTS | SIDELIGHTS | COVERED WALKWAYS | CANOPIES | WALL SYSTEMS



product offering: flat or coiled



4' x 8' Sheets



4' x 50' - 500' Coil

## Access to Sunlight

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.

Crane Composites offers high quality FRP that can be incorporated into a curtainwall application. Because utilizing natural light is an integral part of curtainwall designs, we offer translucent solutions to fit your needs.

Our FRP can be used in skylights, sidelights, canopies, covered walkways and wall lighting systems. CCI FRP adds glare-free natural lighting into your space that protects against hot-spots inside your building.



### resin systems

#### SunStrong

Designed with premium weathering and exceptional color stability. Utilizing an advanced polymer resin system and backed with a 20-year warranty.

*see page 14 for more information*

Fire rated curtainwall products are also available

order samples at [frpsamples.com](http://frpsamples.com)

## SunStrong<sup>®</sup> sustainable daylighting frp panel solutions



SunStrong Curtainwall

**there is no better option.**

Select Crane Composites' SunStrong daylighting panels to brighten your facility with soft, natural light. SunStrong panels deliver exceptional color stability and superior weather performance for metal building and curtainwall light, skylight and sidelight applications.

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.

A global leading provider of resilient wall and ceiling coverings. Kemlite<sup>®</sup> was established in 1954 and the company changed names to Crane Composites in 2007. Crane Composites is headquartered in Channahon, IL and all our products are manufactured in the United States. We work with hundreds of distributors, ensuring our products are easily accessible and readily available to our customers.



SunStrong



Competitive Panels

**product specs + test results**

**WEIGHTS:**

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

**REINFORCEMENT:**

Standard | random chopped glass  
High Strength | woven roving

**PROPERTIES:**

*please refer to the following technical data sheets from physical properties at [cranecomposites.com](http://cranecomposites.com)*  
Standard (ST) | Form #6874  
High Strength (STW) | Form #6875

**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.

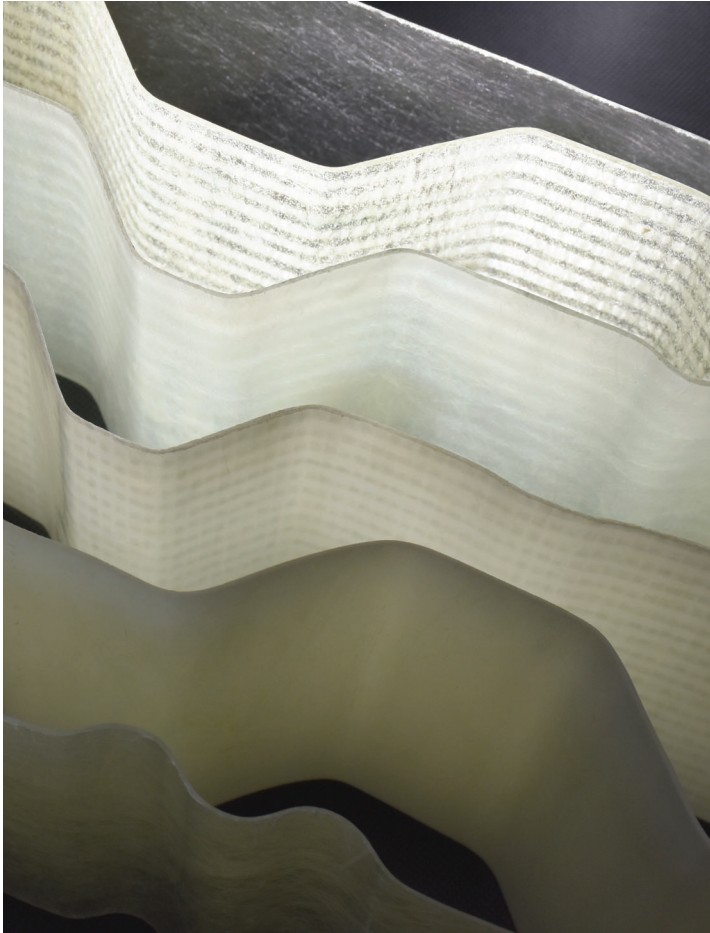
Methods of test: per ASTM D1494

**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				

for more information on our panels call: **1.800.435.0080**

## Duralite®



Our Duralite daylighting products are available in translucent and opaque options. Duralite also offers light transmission, standard chemical resistance, and is suitable for a wide variety of applications.

### product specs

#### WEIGHTS:

8 oz. | 12 oz.

*(additional weights may be available via custom order)*

#### LIGHT TRANSMISSION:

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

#### REINFORCEMENT:

Standard | random chopped glass  
High Strength | woven roving

#### PROPERTIES:

*please refer to the following technical data sheets from physical properties at [cranecomposites.com](http://cranecomposites.com)*

Standard (DL) | Form #6456  
High Strength (DLW) | Form #6448



## General Purpose

General Purpose (GP) panels come in both translucent and opaque options. This product is made of general purpose resin combined with random chopped fiberglass for reinforcement. General Purpose is a good economic solution to meet your daylighting needs.



### product specs

#### WEIGHTS:

5 oz. | 6 oz. | 8 oz. | 12 oz.  
*(additional weights available via custom order)*

#### LIGHT TRANSMISSION:

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

#### REINFORCEMENT:

Standard | random chopped glass  
High Strength | woven roving

#### PROPERTIES:

*please refer to the following technical data sheets from physical properties at [cranecomposites.com](http://cranecomposites.com)*  
Standard (GP) | Form #7062  
High Strength (GPW) | Form #7082



## Cooling Tower

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.

### product specs

#### PROPERTIES:

*please refer to the following technical data sheets from physical properties at [cranecomposites.com](http://cranecomposites.com)*

Non-Fire Rated (CTN) | Form #3701

Fire Rated (V) | Form #3702

## IsoTuff

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 specs

#### WEIGHTS:

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

*(additional weights available via custom order)*

#### PROPERTIES:

*please refer to the following technical data sheets from physical properties at [cranecomposites.com](http://cranecomposites.com)*

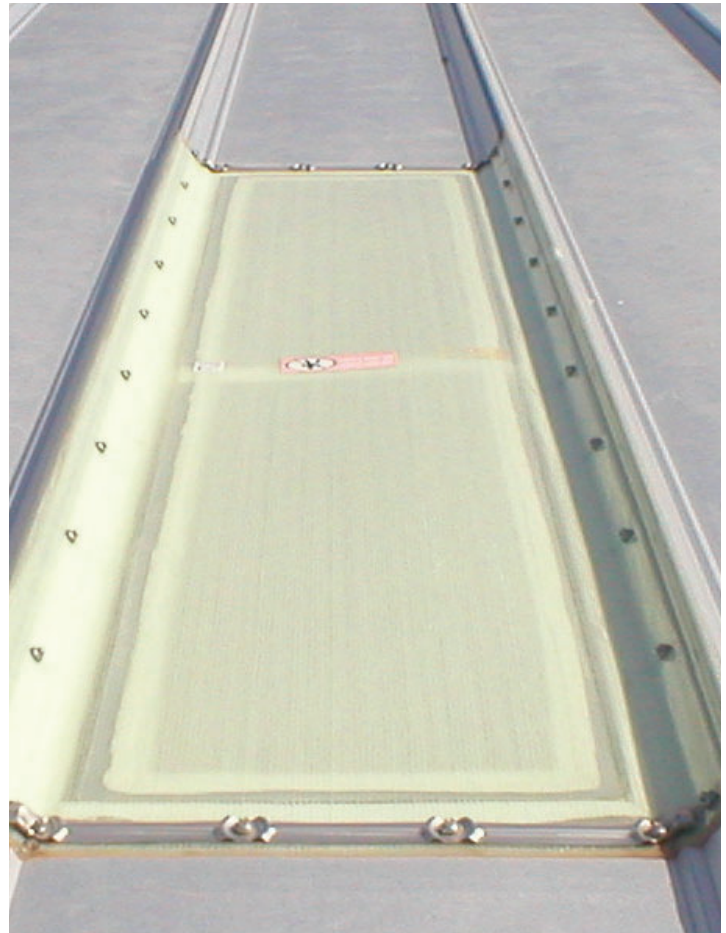
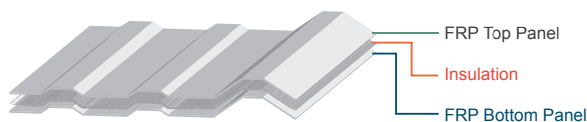
Standard (IT) | Form #3704

High Strength (ITW) | Form #3703

## Assembled Panels

For light transmitting panels assemblies with superior dependability, one product rises above all others: Crane Composites' fiberglass reinforced plastic (FRP) assembled panels; engineered to survive harsh environments.

Count on Crane Composites' assembled panels for their moisture and corrosion resistance and surface won't rot, rust or mildew. Assembled panels reduce heat lost while providing light transmission. Crane Composites provides a daylighting product that meets performance goals while maintaining a budget. We combine resin systems, profiles, reinforcements and weights to engineer custom solutions. No matter which Crane Composites daylighting system you select, the end result is simple, sanitary solutions that are designed to last.



### product specs

#### WEIGHTS:

Top Panel: 6 oz. | 8 oz. | 12 oz.

Bottom Panel: 4 oz. | 6 oz. | 8 oz..

*(additional weights available via custom order)*

#### REINFORCEMENT:

Standard | random chopped glass

High Strength | woven roving

#### LIGHT DIFFUSION OPTIONS:

Standard | diffuser

Air Pocket Only | without diffuser

Assembled panels are a custom option with Crane Composites. Please contact us to discuss profile availability.

## who we are

Crane Composites Inc., a subsidiary of Crane Co. (NYSE:CR), is the world's leading provider of fiber-reinforced composite materials.



## The superior option

Since 1954, we have continued to pioneer numerous patented technologies for industrial and commercial product applications. Crane Composites fiber-reinforced panels (FRP) can be found in virtually every type of vertical market, from highly industrialized environments to stylish retail and hospitality settings.

No matter what the application, our products and team reflect our mission statement: we are a performance

driven organization committed to global leadership and products of high-quality composite materials.

Customers benefit not only from the outstanding performance characteristics of our products, but also from our extensive support programs. Our expert product teams are focused on the needs of customers to provide unparalleled service and expertise.



[cranecomposites.com](http://cranecomposites.com) | 1.800.435.0080 | [sales@cranecomposites.com](mailto:sales@cranecomposites.com)

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