

**CRANE**

Composites

STYLED + DURABLE  
**surface systems**

Hygienic Wall & Ceiling Panels **GLASBORD®** | **VARIETEX®** | **DESIGNS**



**Crane FRP** Fiberglass Reinforced Panels  
**MIDDLE EAST**

## why **Crane frp**?

### hygiene + style + durability

When you need grace under pressure, Crane fiberglass reinforced plastic (FRP) panels are the perfect choice for your walls. From moisture and germs to daily dirt and grime, Crane FRP panels are able to stand up to even the toughest environments - without sacrificing style and beauty.

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. Crane FRP panels are suitable for most any commercial space and provide key benefits including:



### dependable performance

Count on Crane FRP panels for extremely strong, durable walls that provide resistance to mold, mildew, bacteria growth, stains and chemicals.

### simple & cost-effective

Take it easy, from start to finish. Crane FRP panels are simple to install over any existing wall surface and even simpler to maintain with a mild cleanser and sponge. Plus, they're easy on your budget and designed to last for years to come.

### high end style

Take your surfaces beyond with our wide range of surface types, textures and colors, offering you endless options to create the beautiful look you've envisioned for your walls.

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GLASBORD® | GLASBOND® | VARIETEX® | DESIGNS | KEMPLY® | SANIGRID®  
Sani-Base™ | Accessories

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Restaurants | Retail | Hospitality | Food Processing | Healthcare | Education

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All Crane Composites coverings have earned GREENGUARD Certification for low chemical emissions, issued by UL Environment. This certification reflects our dedication to improving the quality of our products, while using low-emitting materials in their construction. The use of Crane Composites products may also contribute to earning LEED® certification.

\* PAGE NUMBER COLORS REPRESENT THE COLOR OF THE HEADER AT THE TOP OF THE CATALOG PAGE FOR THE RESPECTIVE SECTION

## Who is Crane Composites

We are specialists - Crane Composites Inc. is the world's leading provider of fiber-reinforced composite materials. We combine our expertise in composite material science, process and technology with a deep understanding of customer needs to deliver innovative products that outperform traditional metals and woods. Our lightweight composite products deliver unsurpassed strength and durability. Since 1954, we have continued to pioneer numerous patented technologies for industrial and commercial product applications. We've built a proven reputation for industry leadership by partnering with customers and suppliers to deliver advanced, industry-leading solutions.

## Our Markets

world's leading provider



### building products

Durable and Decorative Wall Panels  
Daylighting and Industrial Panels



### rvs

Exterior and Interior Sidewall Panels  
Roof Panels and Door Skins



### transportation

Exterior and Interior Liner Panels  
Translucent Roof Panels

## Our Locations

Manufacturing Sites + Research & Development Center + Offices



Channahon, Illinois  
facility + headquarters



Bolingbrook, Illinois  
research + development center



Florence, Kentucky



Goshen, Indiana



Jonesboro, Arkansas



key



Building  
Products



Recreational  
Vehicles



Transportation



R&D  
Center



## What is FRP

Polyester Resin + Fiber Reinforcement



FRP, fiberglass reinforced plastic, is a composite made from fiberglass reinforcement in a plastic matrix. Selecting the type and configuration of the reinforcement allows a wide variety of physical strengths and mechanical properties to be designed into the FRP composite. Choosing the type of plastic and additives within the matrix can optimize properties such as UV resistance, cleanability and durability. These options allow for a wide range of mechanical, chemical and physical properties to be obtained. As an engineered material, FRP composites can be designed and produced to achieve specific performance goals with minimal waste, often reducing weight and cost compared to traditional materials like woods, metals or ceramics.

Benefits of our **FRP**

highest ROI solution



**Durable**



**Mold Resistant**



**Light Weight**



**Moisture Resistant**



**Easy to Clean +  
Maintain**



**Easy + Quick  
to Install**



**Fire Rated**  
Class A, Class C,



**Impact Resistant +  
High Strength to  
Weight Ratio**





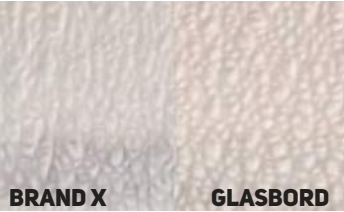
## Why choose Crane FRP?

Crane FRP vs Traditional Materials

### THE CLEAR WINNER IN WALL AND CEILING APPLICATIONS

Crane Composites leads the market with more durable, hygienic and sanitary panels that are easier to install and maintain and have a lower overall total cost of ownership when compared to traditional building materials.

#### THERE'S NO BETTER OPTION

	TRADITIONAL MATERIAL	VS	CRANE FRP
CERAMIC TILE			
	3x more time required to install + more tools Will crack and scratch Supports bacteria & mold Will not resist chemicals Grout lines and tiles must be replaced More expensive over time		Ease and speed of installation Scratch, impact, puncture resistant Will not support bacteria & mold Highly chemical resistant Life span of up to 20Y
PVC			
	Will dent and scratch Will not resist chemicals Requires periodic maintenance More expensive over time		Scratch, impact, puncture resistant Highly chemical resistant Life span of up to 20Y
ALUMINUM			
	May warp, rot or decay with moisture Will not resist chemicals Difficult to clean Requires painting over time More expensive over time		Moisture resistant- will not corrode or rust Highly chemical resistant Easier to clean and no painting required Life span of up to 20Y
INSULATED GLASBORD PANELS			
	Will corrode, dent and scratch Will not resist chemicals Difficult to clean Requires painting over time More expensive over time		Lifetime, non-corrosive surface Highly chemical resistant Water resistant Easier to clean and no painting required Life span of up to 20Y
STANDARD FRP			
 <div>BRAND X</div> <div>GLASBORD</div>	More susceptible to scratch More difficult to clean More maintenance required		<b>GLASBORD</b> is a leading brand Equipped with unique Surfaseal® finish Up to 10x more cleanable Up to 6x more stain resistant Up to 2x more abrasion resistant

## Our Products

Behind the Scenes | Front of Thought



**GLASBORD®**  
WITH SURFASEAL sanitary +  
durable | wall + ceiling panels



**VARIETEX®**  
panels with performance |  
textures + colors



**DESIGNS**  
imaged panels with  
performance + style



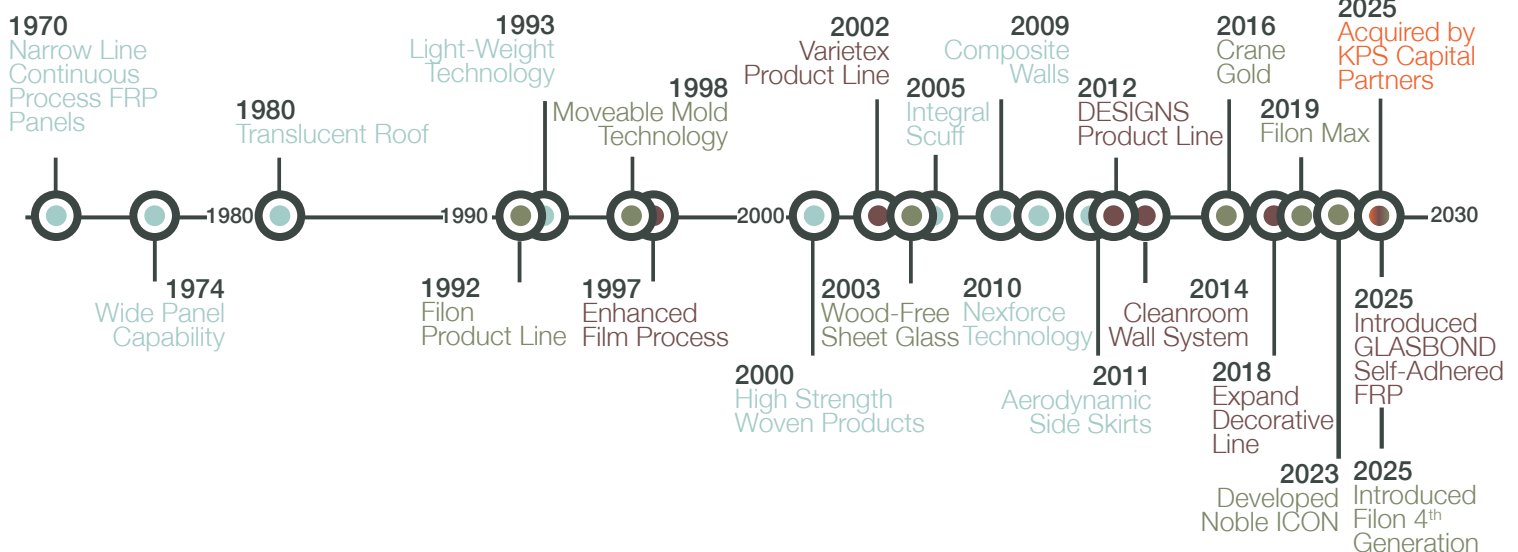
**GLASBOND®**  
self-adhered Glasbord wall  
panels

## manufacturing capabilities



- Widths up to 110" and lengths up to 700'
- Thicknesses range from 0.04" to 0.235"
- Innovative textures, patterns and colors
- Variety of resin formulations & reinforcement options
- UV Stabilizers for improved weathering
- Ability to customize corrugated profiles
- Exterior premium gel coat finishes
- FRP sheet and sandwich panels

## innovation timeline





# GLASBORD®

## Wall Panels with Surfaseal® Finish

Glasbord® with Surfaseal® is a unique solution that offers unsurpassed hygiene and high durability required in critical areas that demand high-performance finishes. Our unique Surfaseal® film equips our wall panel with the best hygienic performance combined with highest stain, impact and scratch resistance.



WHITE (85) | SMOOTH



WHITE (85) | SMOOTH



WHITE (85) | EMBOSSED

### product specs

#### AVAILABLE SIZES:

4' x 8' | 4' x 9' | 4' x 10' | 4' x 12'  
(other sizes available upon request)

#### THICKNESSES:

0.09" (embossed) | 0.075" (smooth)

#### FIRE RATINGS: \*\*

Class A or Class C per ASTM E-84

FM Approved Available

\*\* see technical data sheets for fire rating information by color option



#### APPLICATIONS:

- Commercial Kitchens
- Cleanrooms
- Restrooms
- Convenience Stores
- Locker Rooms
- Food Processing Plants
- Indoor Agricultural Facilities

#### FEATURES:

- Mold + Mildew Free
- Meets USDA/FSIS Requirements
- Restrooms
- Easy to Install
- Cleanable
- Durable

#### ACCESSORIES:

Standard Polypropylene Moldings

Polyurethane Seam Sealant

Color Rite™ Color-Matched Silicone Caulk

### unique surfaseal finish

The Surfaseal film finish, found only on Glasbord, provides a barrier that's highly resistant to impact and scratching. Because of our unique process, the Surfaseal finish will not trap soil or bacteria on the panel. The surface is up to 10 times easier to clean and up to six times more stain resistant than other sanitary wall systems.

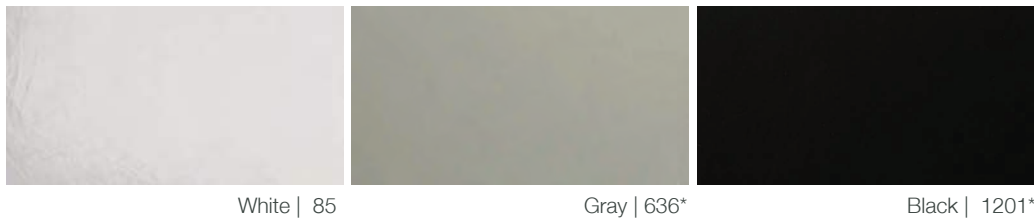


**GLASBORD** color + finish options

PEBBLED EMBOSSED TEXTURE




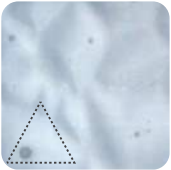
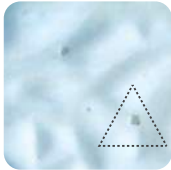
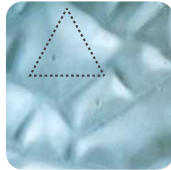
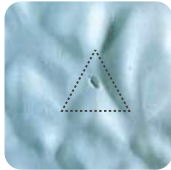

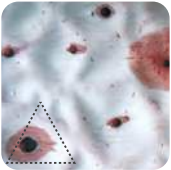
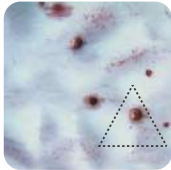
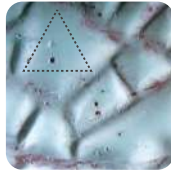
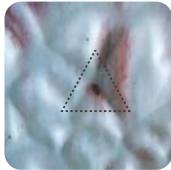

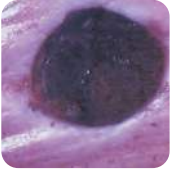



SMOOTH TEXTURE



★ AVAILABLE IN CLASS C PER ASTM E-84 AND CAN/ULC-S102 ONLY

Our unique **Surfaseal finish**

**10x** EASIER to clean **6x** MORE STAIN resistant

	GLASBORD surfaseal	frp A	frp B	frp C	frp D
BEFORE STAINING 25x magnification					
AFTER STAINING 25x magnification					
AFTER STAINING 93x magnification					

# GLASBOND<sup>TM</sup> Self-Adhered FRP Wall Panels

NEW

We been providing innovative solutions for over 70 years. Our new GLASBOND self-adhered frp panels combine the great features of GLASBORD® FRP with a pressure sensitive adhesive prefabricated to the backside.

still amazing  
on the front

BUT SOMETHING  
NEW ON THE  
BACK

WHITE (B5) | EMBOSSED



## GLASBOND with GLASBORD advantage

Current FRP installations can be time consuming and messy. This can cost end-users and installers money in a challenging labor market. That is why we created the next generation in FRP. Our peel & stick GLASBOND panel installs much faster with less mess and clean-up time. This can significantly reduce labor costs for installers.

GLASBORD has been protecting facilities with resilient wall covering surfaces that deliver unsurpassed hygiene and durability for commercial environments such as restaurants and food processing plants. Glasbond builds on the time-tested success of our traditional Glasbord product installation with a new self-adhesive feature. This provides a faster, more consistent, and cleaner application that reduces total applied cost.



### product specs

#### PANEL COMPOSITION:

GLASBORD PWIP Skin with Pressure Sensitive Foam Backing

#### AVAILABLE SIZES:

4' x 8' | 4' x 10'

#### COLOR:

White (85)

#### FINISH:

Pebbled Embossed Finish

#### THICKNESSES:

0.15" (overall thickness) | 0.09" (panel thickness)

#### FIRE RATINGS:

Class C per ASTM E-84 | CAN/ULC-S102

#### ACCESSORIES:

GLASBOND Trims\*

\*\* two-piece customized designed trims to be utilized for all GLASBOND installations

#### APPLICATIONS:

- Commercial Kitchens
- Food Processing Plants
- Restrooms
- Cleanrooms
- Restrooms
- Convenience Stores
- Locker Rooms
- Food Processing Plants
- Indoor Agricultural Facilities



SCAN FOR DETAILED  
INSTALLATION INFORMATION



# VARIETEX<sup>®</sup>

## Innovative Textured and Colored Wall Panels

Take your surfaces beyond with a tile like finish on the sandstone and gel-coat panels. The grout lines are sealed for easy maintenance, avoiding the grimy build up encountered with regular tile.



MORNING MIST GRAY (636) & MAUNA LOA (1295) | SANDSTONE



MORNING MIST GRAY (636) | SANDSTONE



MORNING MIST GRAY (636) | SANDSTONE

### product specs

#### AVAILABLE SIZES:

4' x 8' | 4' x 10'

#### THICKNESSES:

0.09" (sandstone + linen) | 0.075" (beaded)

#### FIRE RATINGS:\*\*

Class A or Class C per ASTM E-84  
CAN/ULC-S102

*\*\* see technical data sheets for fire rating  
information by color options*

#### ACCESSORIES:

Color Rite™ Color-Matched Silicone Caulk  
Silhouette Trims Moldings | Aluminum Moldings  
Beaded Panel Moldings

#### APPLICATIONS:

- School Hallways
- Cafeterias
- Restrooms
- Dining Rooms
- Reception Areas
- Health Clubs
- Hospitals

#### FEATURES:

- Mold + Mildew Free
- Meets USDA/FSIS Requirements
- Easy to Install
- Cleanable
- Durable

### warm colors

Add depth and dimension to walls, with our unique textures including sandstone, linen, tile and beaded finishes. Beyond the beauty, Varietex offers all the same benefits of traditional FRP wall coverings

**VARIETEX** color + finish options

SANDSTONE TEXTURE



LINEN TEXTURE



BEADED TEXTURE



Cotton White | 1130 ▲

▲ AVAILABLE IN CLASS C PER ASTM E-84 ONLY  
★ AVAILABLE IN CLASS C PER ASTM E-84 AND CAN/ULC-S102 ONLY



# DESIGNS

## Collections + custom imaged wall panels

DESIGNS resilient wall coverings, bring both style and durability into any commercial space. No need to sacrifice aesthetics for hygiene.



FRANKLIN (98CW)



CONRAD (56HC)



CUSTOM DESIGNS

### product specs

#### AVAILABLE SIZES:

4' x 8' | 4' x 10'

#### THICKNESSES:

0.075"

#### FIRE RATINGS:

Class A or Class C per ASTM E-84  
CAN/ULC-S102

#### ACCESSORIES:

Standard Polypropylene Moldings  
Aluminum Moldings  
Color Rite™ Color-Matched Silicone Caulk

#### APPLICATIONS:

- School Hallways
- Cafeterias
- Restrooms
- Dining Rooms
- Reception Areas
- Health Clubs
- Hospitals

#### FEATURES:

- Mold + Mildew Free
- Meets USDA/FSIS Requirements
- Easy to Install
- Cleanable
- Durable

### custom designs

Imagine your artwork on a wall. Crane Composites brings your concept to reality with vibrant breathtaking details. Ask for alterations to one of our existing patterns or create your own unique design. Give life to your custom look in any arrangement you choose including logos, artwork, or corporate identity with vibrant high-resolution imagery.



## DESIGNS

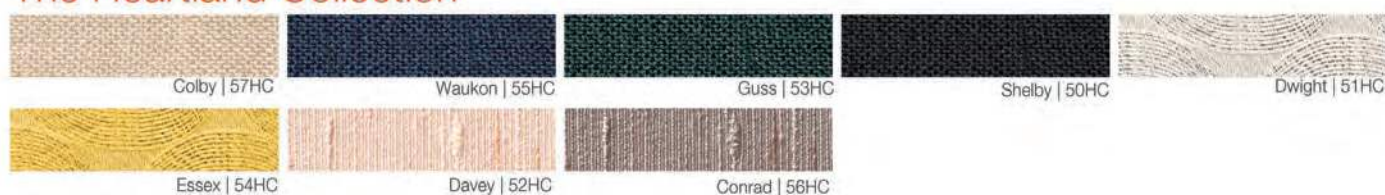
### The Classics Collection



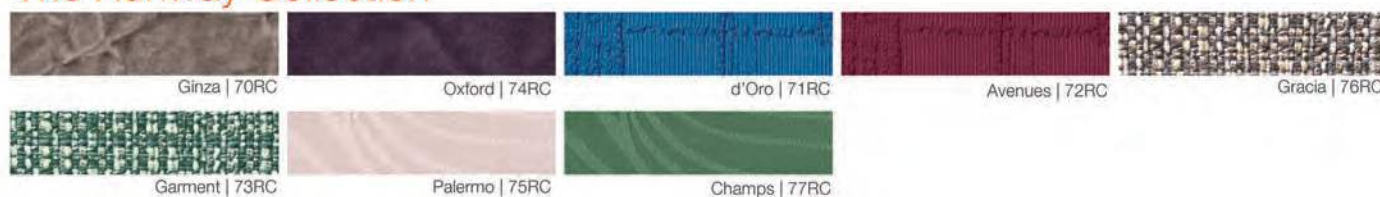
### The Forest Collection



### The Heartland Collection



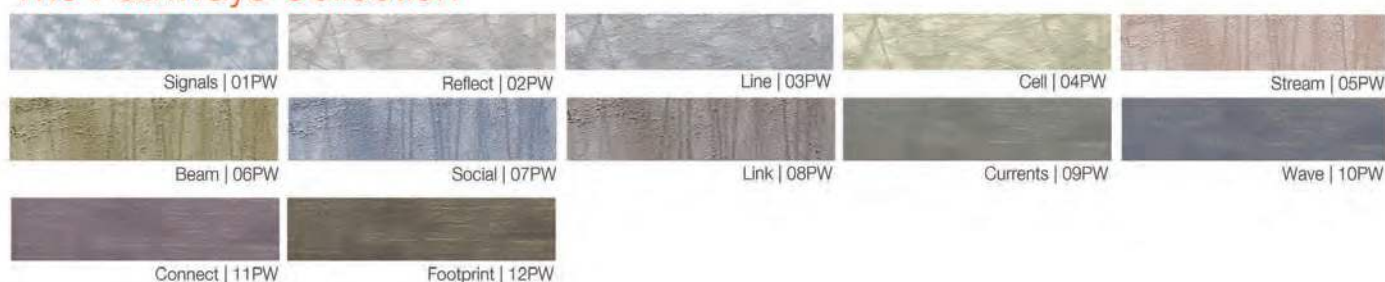
### The Runway Collection



### The City Works Collection



### The Pathways Collection



## **KEMPLY<sup>®</sup> + SANIGRID<sup>®</sup>** ceiling tiles with Surfaseal<sup>®</sup> finish



### **add strength**

Kempli is fabricated by laminating Glasbord panel to a rigid substrate. The resulting panel has structural strength and rigidity, allowing installation directly to a stud wall or ceiling. Sanigrig is the ideal solution for high humidity and chemical environment installations. The Sanigrig system features a fast installation, with the entire system easily snapping together.

## KEMPLY<sup>®</sup> laminated panels

### AVAILABLE SIZES:

4' x 8' | 4' x 10' (wall panels)  
23.75" x 23.75" | 23.75" x 47.75" (ceiling panels)

### AVAILABLE GLASBORD SKINS:

Glasbord Embossed or Smooth Textures in Class A or Class C Fire Rating per ASTM E-84 (PWI, PIF, PSIF, FX, FSI)

### AVAILABLE SUBSTRATES:



Gypsum: 1/2" | 5/8"



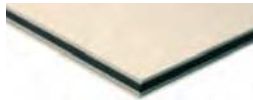
Plywood: 3/8" | 1/2" | 5/8" | 3/4"



Oriented Strand Board: 3/8" | 1/2" | 5/8"



Fluted Polypropylene: 0.32" | 0.40"



Double-Sided ACP Core: 0.12" | 0.24"

### APPLICATIONS:

- Car Washes
- Food Processing Plants
- Refrigerated Warehouses
- Commercial Kitchens
- Laboratories
- Locker Rooms
- Dormitories
- Kennels

### FEATURES:

- Mold + Mildew Free
- Meets USDA/FSIS Requirements
- Easy to Install
- Cleanable
- Durable

## SANIGRID<sup>®</sup> ceiling grid system

### AVAILABLE SIZES:

2' x 2' | 2' x 4'

### FIRE RATING:

Class A Fire Rating per ASTM E-84

### AVAILABLE CEILING PANELS:

Glasbord Embossed or Smooth Textures in Class A or Class C Fire Rating per ASTM E-84 (CGI, PSIF, FX) or Kemply ACP Core



### APPLICATIONS:

- Car Washes
- Food Processing Plants
- Chemical Processing Plants
- Refrigerated Warehouses
- Commercial Kitchens

### FEATURES:

- Mold + Mildew Free
- Ideal for High Humidity
- Resistant to Chemical Environments
- Will Not Rust, Pit, Dent, or Peel



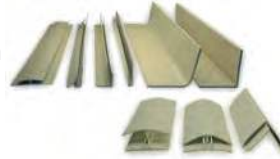
## SEAM TREATMENT ACCESSORIES

Crane Composites offers an array of seam treatment options to complete your wall panel installations.

### Polypropylene/PVC Moldings

Standard moldings are contractor grade moldings that are perfect for use with FRP panels. Crane Composites division bars feature patterned expansion control guides to assist with proper FRP installation. Available in 10' lengths in Glasbord and Kemply standard colors.

**standard for glasbord + wide for kemply**



### Color Sil Color-Matched Caulk

Use Color Rite's Color Sil caulk for professional looking panel installations without the use of moldings. Crane has teamed up with Color Rite to provide materials that compliment Crane wall panels in over 40 colors. Use with Color Rite's Pre-Tooling Mist to install with ease.

**for designs, varietex, + glasbord panels**



### Silhouette Trims

Silhouette Trims offer a narrow profile to minimize the seam. Crane Composites Silhouette Trims feature patterned expansion control guides to assist with proper FRP installation. Available in 10' lengths in DESIGNS and VARIETEX Classic collection.

**for designs + varietex panels**



### Aluminum + Stainless Trims

Designed for a contrasting and upscale look. Available in 10' lengths in silver color. Stainless steel trim pieces are also available for corners and window frames. These allow for a sanitary, durable and clean transition while providing increased impact resistance and longevity.

**for an upscale look + clean transitions**



### Sani-Base™

Use Sani-Base stainless accessories for innovative moisture mitigation solutions for seamless wall to floor transitions. Our Sani-Base accessories are available in five different profiles to fit your application needs.

**for seamless wall to floor transition**



### Polyurethane Seam Sealant

Seam Sealant sealant is an equal-mix, two-component bright white urethane sealant system used to bond and seal a variety of plastics.

**for seamless glasbord panels**



## INSTALLATION TOOLS

Our wall panels are easy to install with our tools

Installation accessories include our Crane Fast Grab or Crane Advanced Polymer Adhesive, rollers and trowels along with detailed installation guides and videos.

Visit [cranecomposites.com/resources.html](http://cranecomposites.com/resources.html) for detailed installation information.



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

## Restaurants

kitchens | cloud kitchens | central kitchens | dining rooms | self-service beverage stations | bar areas | store rooms

## Hospitality (Hotel/Resorts)

Kitchens | BOH corridors | cold rooms | housekeeping rooms | loading area | lobbies | breakfast area | dining area

## Food Processing Plants

cold storage | meat, poultry, dairy, & fish processing | slaughterhouse | bakery & pasta processing | distribution centers | beverage bottling | warehouses | fish markets | central fruits & vegetable markets

## Retail (Malls/Supermarkets)

BOH corridors | kitchens | central kitchens | trolley area | cold rooms | counters | fresh area | columns | distribution centers | food manufacturing facilities | food transportation

## Healthcare (Clinic/Hospitals/Cleanrooms/Pharmaceuticals Plants)

BOH | patient rooms | operating rooms | ICU rooms | corridors | labs | waiting areas | uniform rooms | reception | housekeeping rooms | cleanrooms | cultivation facilities | pharmaceuticals plants

## Education

classrooms | hallways | labs | lobbies | cafes | locker rooms | kitchens | cold storage | corridors | housekeeping rooms | restrooms

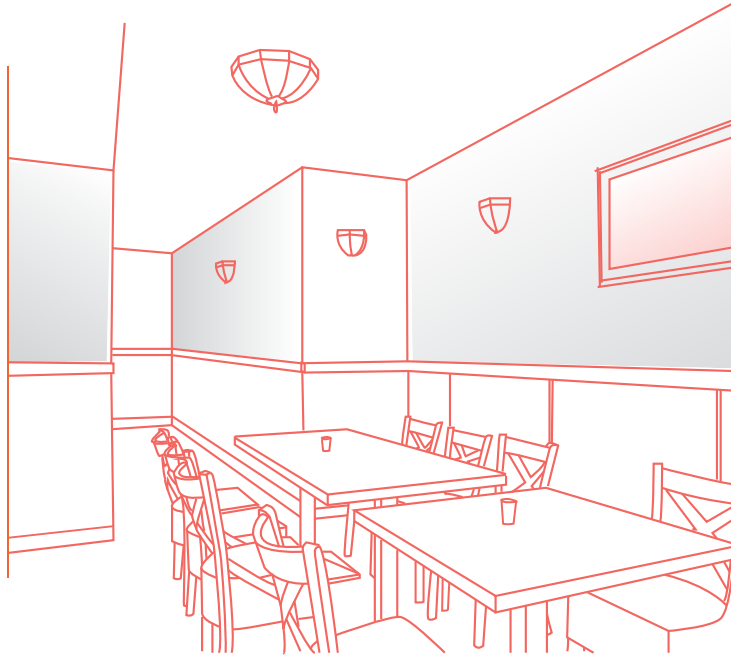
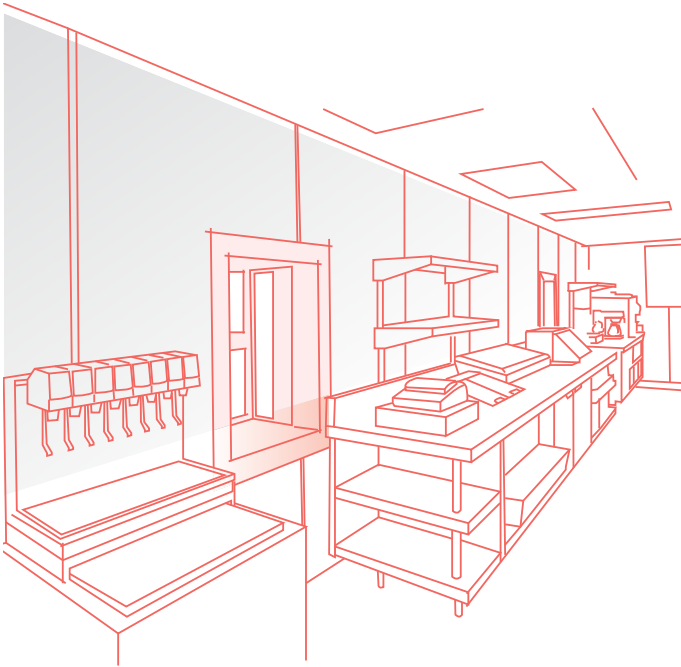
## Restaurant applications



GLASBORD® WALL + CEILING PANEL  
EMBOSSÉ (WHITE + BLACK)



## Restaurant applications



## WHERE?

IN BACK

IN BETWEEN

IN FRONT



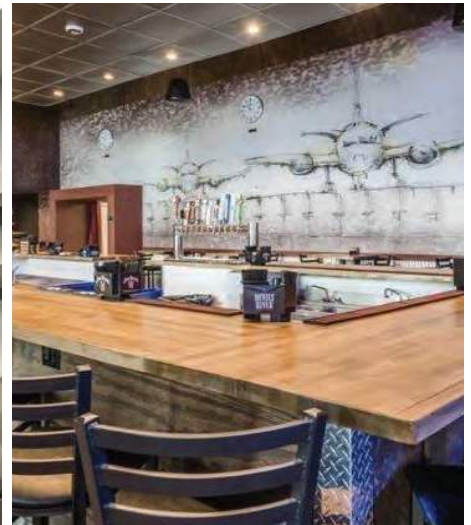
### cold rooms

USE GLASBORD WALL PANELS  
PAGES 8-9



### kitchens

USE GLASBORD WALL PANELS  
PAGES 8-9



### dining rooms

USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15

## Hospitality applications



GLASBORD® WALL PANEL  
EMBOSSED (WHITE)

## Hospitality applications



**WHERE?**

**IN BACK**



### kitchens

USE GLASBORD WALL PANELS  
PAGES 8-9



### cold rooms

USE GLASBORD WALL PANELS  
PAGES 8-9



### service corridors

USE GLASBORD WALL PANELS  
PAGES 8-9

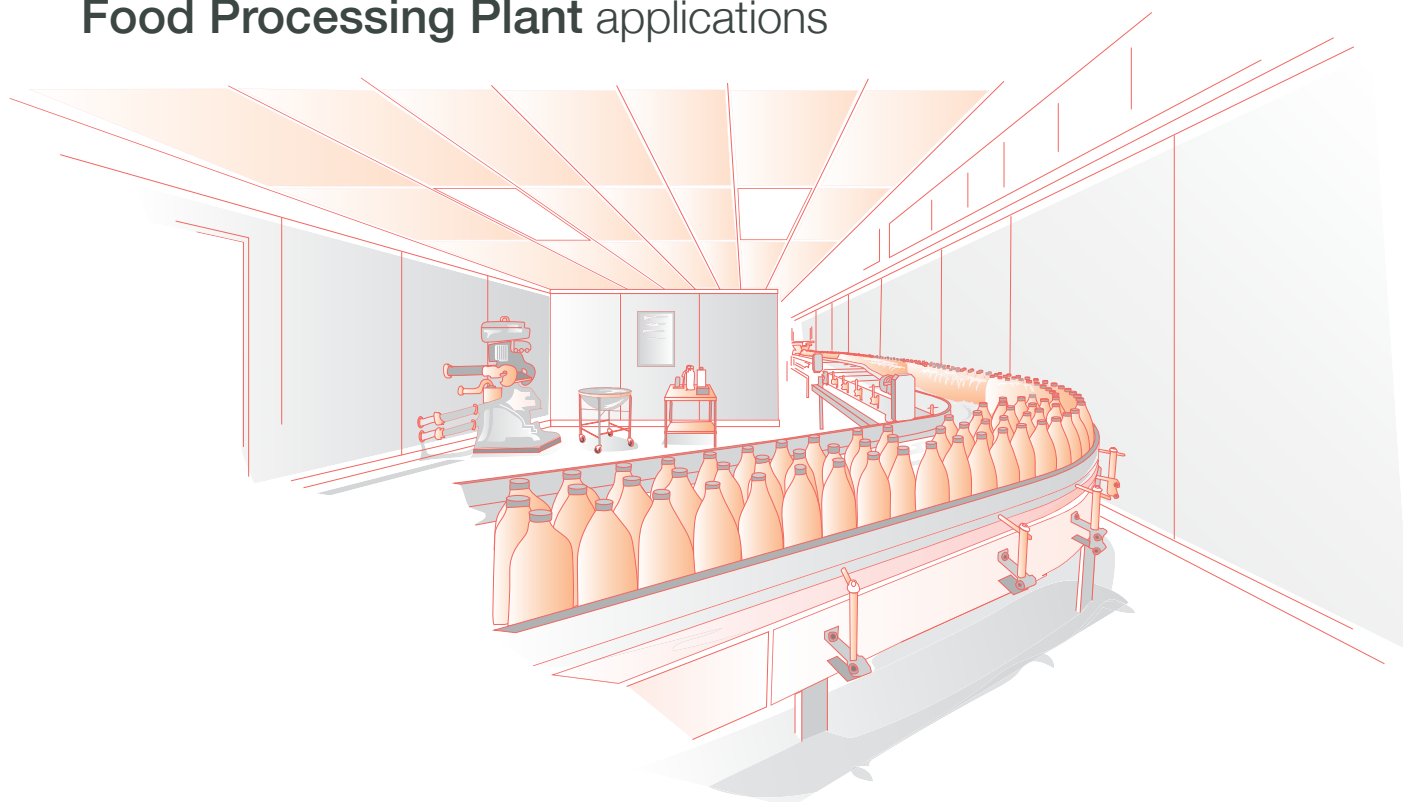


## Food Processing Plant applications



GLASBORD® WALL PANEL  
EMBOSSED (WHITE)

## Food Processing Plant applications



# WHERE?

## IN BACK



### corridors

USE GLASBORD WALL PANELS  
PAGES 8-9



### cold storage

USE GLASBORD WALL PANELS  
PAGES 8-9

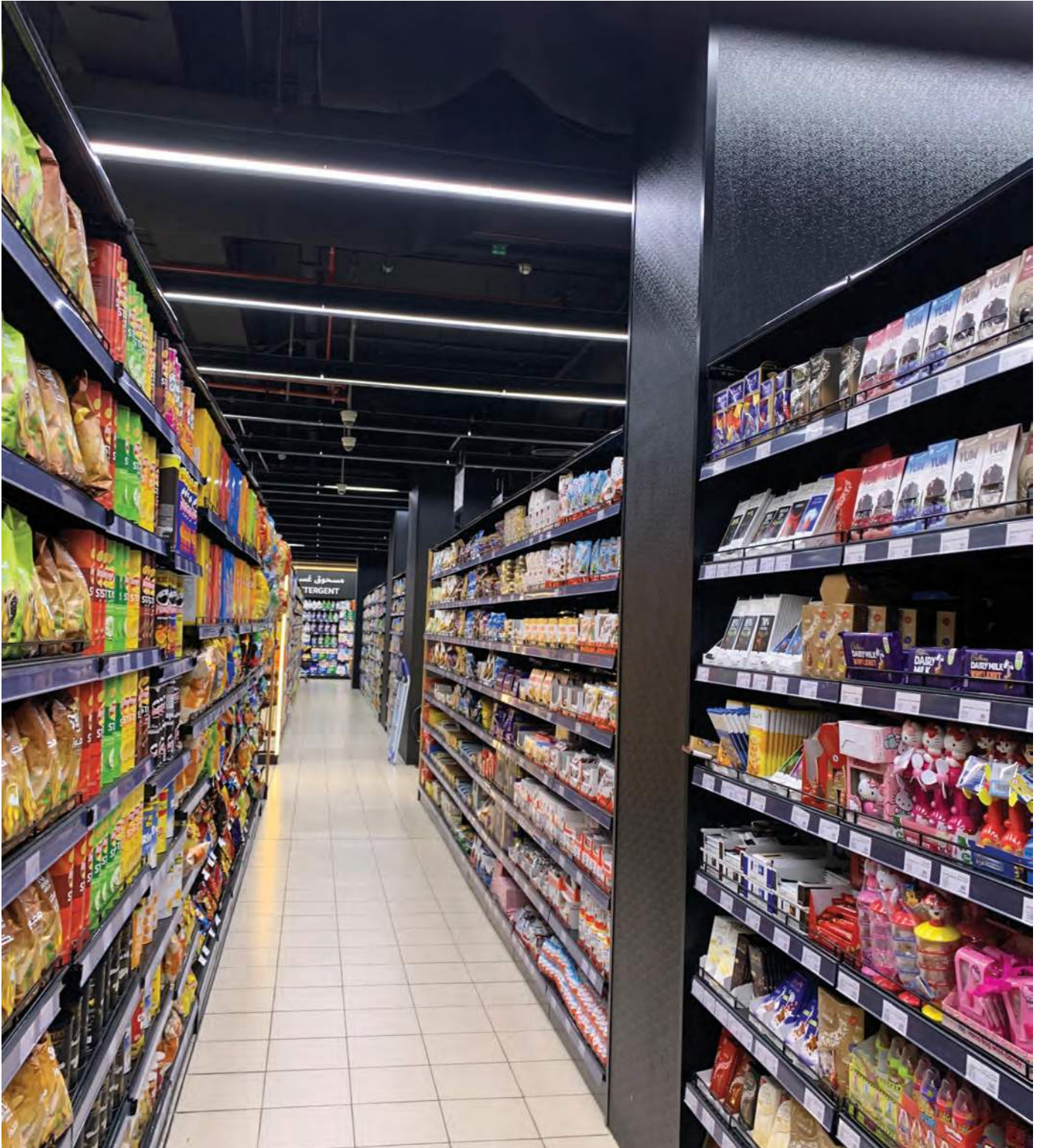


### processing areas

USE GLASBORD WALL PANELS  
PAGES 8-9



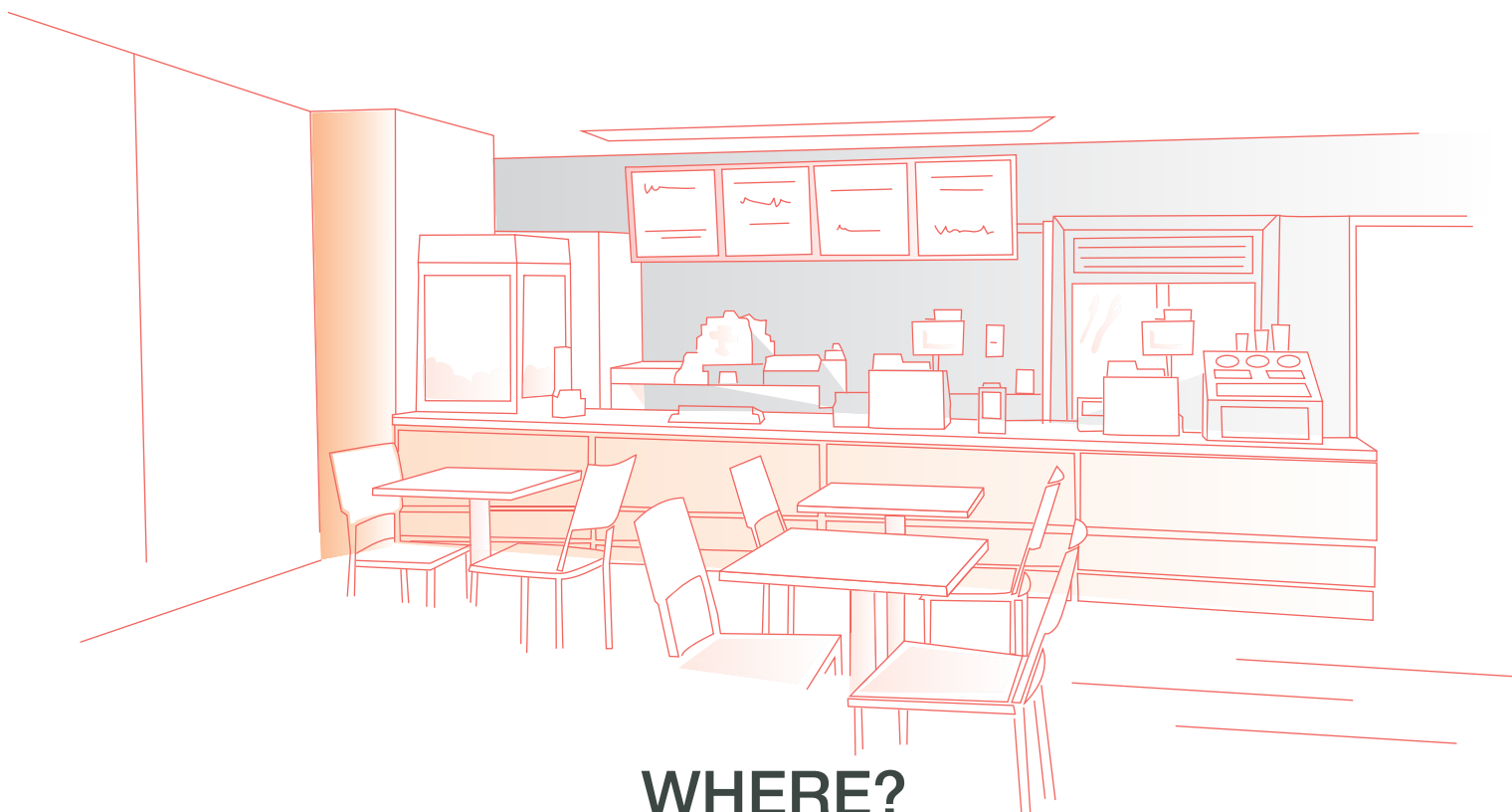
## Retail applications



GLASBORD® WALL PANEL  
EMBOSSED (BLACK)



## Retail applications



### WHERE?

IN BACK

IN BETWEEN

IN FRONT



#### cold rooms

USE GLASBORD WALL PANELS  
PAGES 8-9



#### columns

USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15



#### dine-in areas

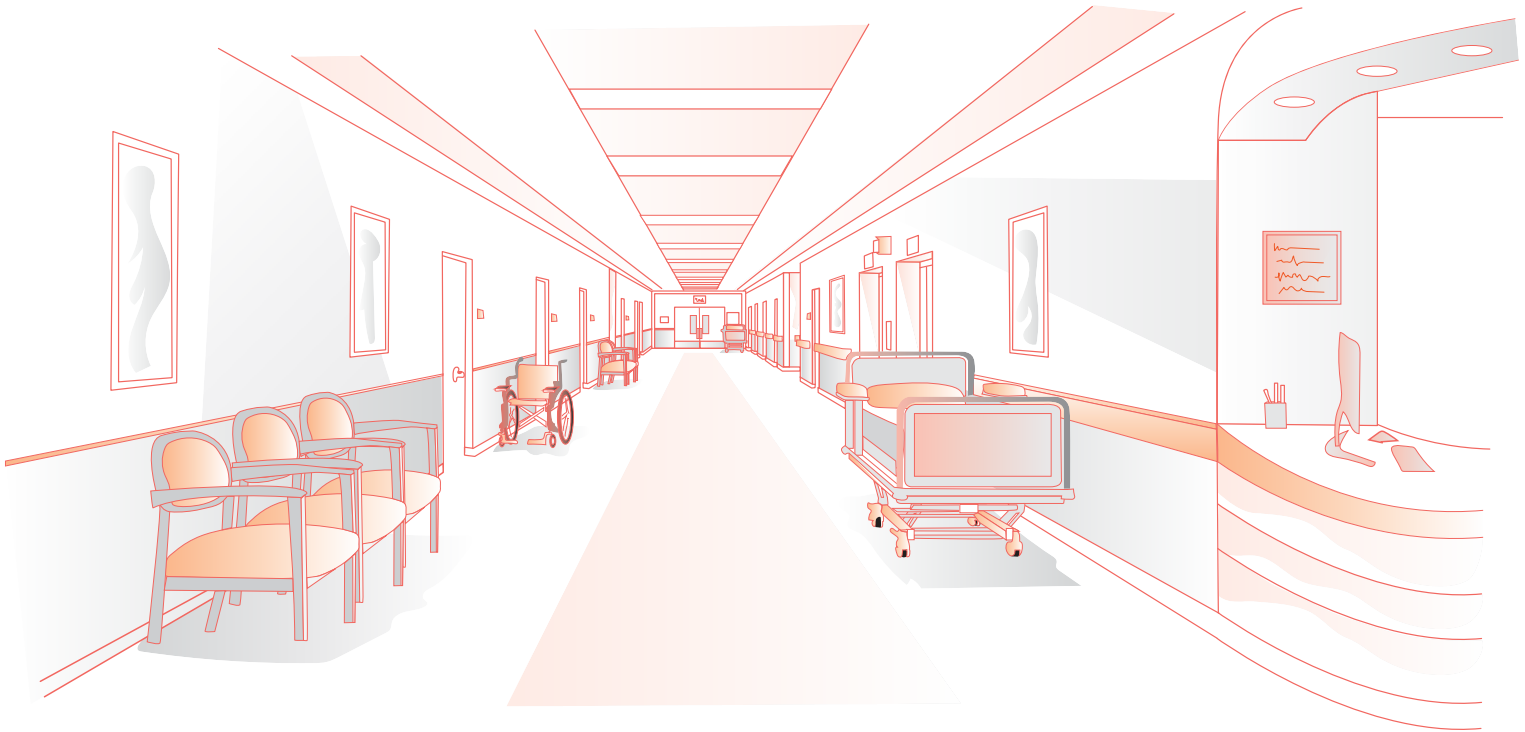
USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15

## Healthcare + Cleanroom applications



VARIETEX® WALL PANEL  
SANDSTONE

## Healthcare + Cleanroom applications



### WHERE?

IN BACK

IN BETWEEN

IN FRONT



#### operating rooms

USE GLASBORD WALL PANELS  
PAGES 8-9



#### corridors

USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15



#### reception areas

USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15



## Education applications



GLASBORD® WALL PANEL  
EMBOSSSED (WHITE)

## Education applications



## WHERE?

IN BACK

IN BETWEEN

IN FRONT



### locker rooms

USE GLASBORD WALL PANELS  
PAGES 8-9



### hallways

USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15

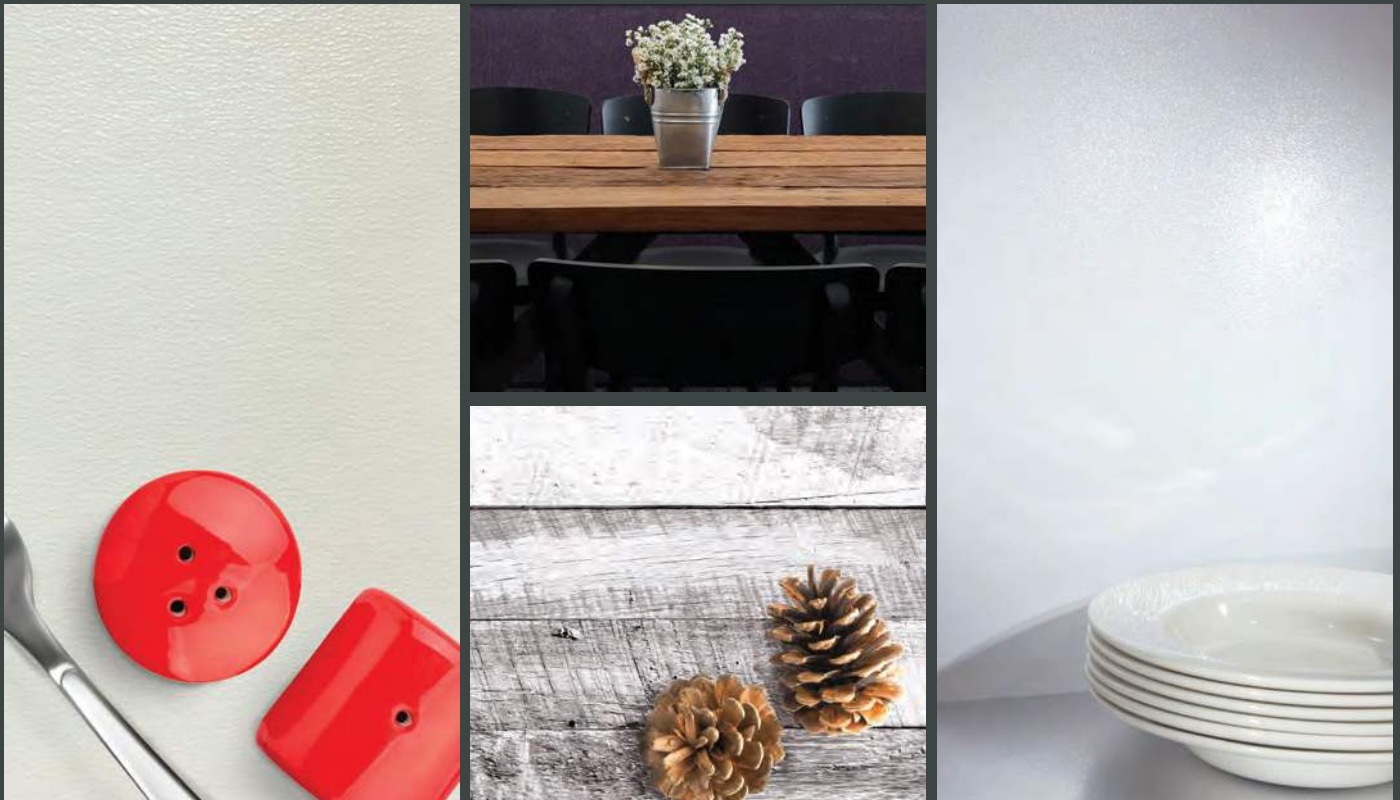


### classrooms

USE VARIETEX & DESIGNS  
WALL PANELS | PAGES 12-15

## who we are

Crane Composites Inc., 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.



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