

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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Our Products

GLASBORD® | VARIETEX® | DESIGNS | KEMPLY® | SANIGRID® | Accessories

10*

Our Applications + Segments

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

20*



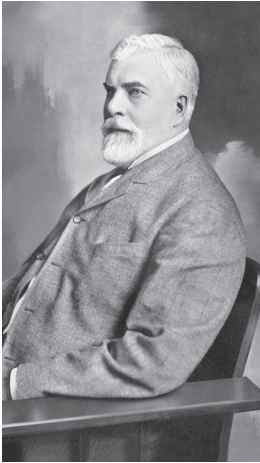
All Crane Composites coverings have earned GREENGUARD Certification for low chemical emissions, issued by UL Environment. This certification reflects our dedication to improving the quality of our products, while using low-emitting materials in their construction. The use of Crane Composites products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

Parent Company Crane Co (NYSE:CR)

Crane Co. is a diversified manufacturer of highly engineered industrial products with a substantial presence in a number of focused niche markets. With approximately 11,000 employees working together across 26 countries, Crane generated 2019 net sales of \$3.3 billion. We are dedicated to integrity and honest dealings in all that we do.

R.T. CRANE **Resolution**



"I am resolved to conduct my business in the strictest honesty and fairness; to avoid all deception and trickery; to deal fairly with both customers and competitors; to be liberal and just toward employees and to put my whole mind upon the business."

R.T. Crane
JULY 4TH, 1855



26
COUNTRIES



11,000+
EMPLOYEES



150
LOCATIONS



\$3.3B
2019 SALES

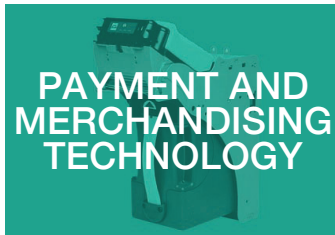


150+
YEARS IN BUSINESS

four engineering-led manufacturing businesses



Global provider of industrial fluid control products and systems, including valves, pumps, lined pipe and instrumentation.



Largest manufacturers of payment solutions, vending equipment, and wireless communications technology.



Industry leader high-precision technologies that drive innovative solutions for our customers, enabling performance across major aviation and space markets.



Crane Composites is the leading provider of fiberglass reinforced plastic (FRP) panels.

Who is Crane Composites

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

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.



500+ EMPLOYEES



24 COUNTRY SALES



65+ YEARS MANUFACTURING

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

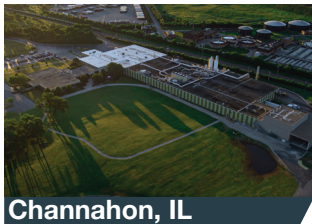
- Exterior and Interior Liner Panels
- Translucent Roof Panels

Our Locations

Manufacturing Sites + Research & Development Center + Offices



manufacturing sites & markets served



customer support drives us



RIGHT PRODUCT
ON-TIME DELIVERY
LARGE PRODUCT OFFERING



EXPERIENCED REPS
EXTENSIVE TRAINING
INDUSTRY EXPERIENCE



PROVEN PERFORMANCE
TECHNICAL INFO
WARRANTY & SUPPORT



RESPONSIVE
CALL CENTER
ON-LINE CHAT

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 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




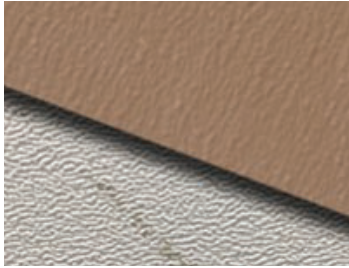

Why choose Crane FRP?

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	 <p>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</p>		<p>Ease and speed of installation Scratch, impact, puncture resistant Will not support bacteria & mold Highly chemical resistant Life span of up to 20Y</p>
PVC	 <p>Will dent and scratch Will not resist chemicals Requires periodic maintenance More expensive over time</p>		<p>Scratch, impact, puncture resistant Highly chemical resistant Life span of up to 20Y</p>
ALUMINUM	 <p>May warp, rot or decay with moisture Will not resist chemicals Difficult to clean Requires painting over time More expensive over time</p>		<p>Moisture resistant- will not corrode or rust Highly chemical resistant Easier to clean and no painting required Life span of up to 20Y</p>
STANDARD FRP	 <p>More susceptible to scratch More difficult to clean More maintenance required</p>		<p>GLASBORD® 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</p>

BRAND X

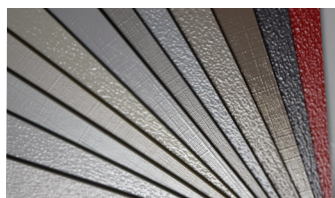
GLASBORD

Our Products

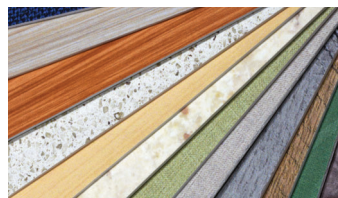
Behind the Scenes | Front of Thought



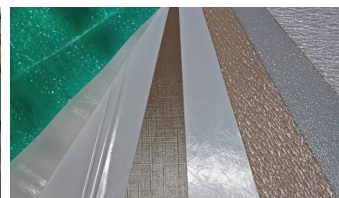
GLASBORD®
WITH SURFASEAL sanitary + durable | wall + ceiling panels



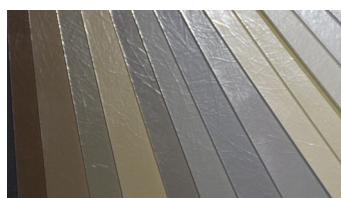
VARIETEX®
panels with performance | textures + colors



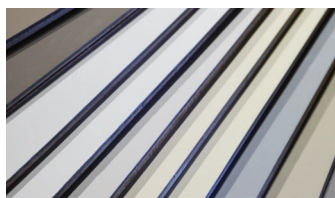
DESIGNS®
imaged panels with performance + style



SEQUENTIA®
traditional wall, ceiling, + corrugated panels



FILON®
exteriors + interior high gloss panels for rv's



NOBLE®
exterior sidewalls | premium finish for rv's



ARMORTUF®
robust liners for trailers + truck bodies



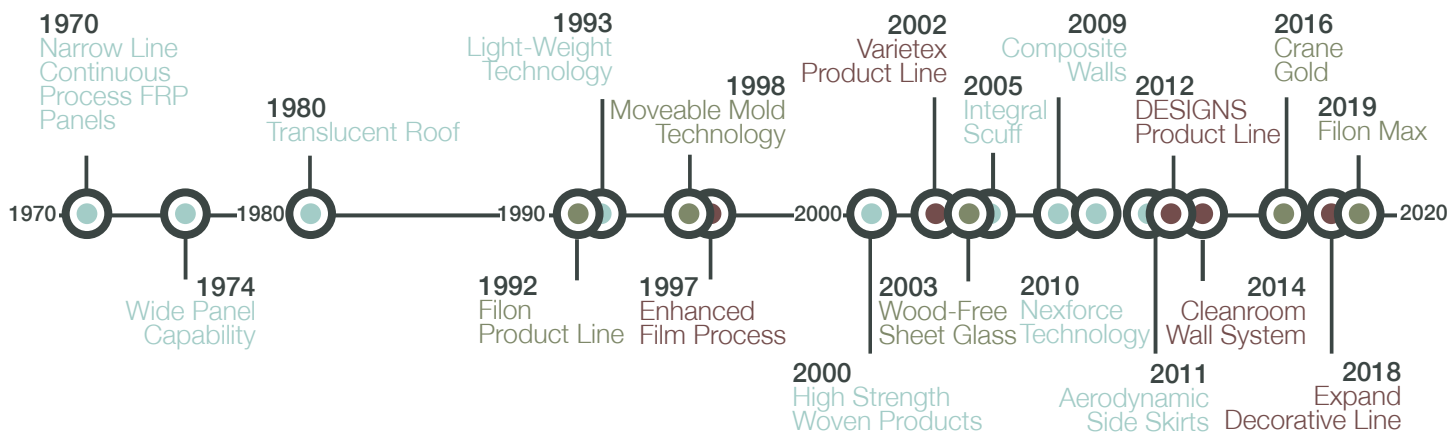
KEMLITE®
liners + roofs for trailers + truck bodies

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

A global leading provider of resilient wall and ceiling coverings. Kemlite was established in 1954 and the company changed names to Crane Composites in 2007 to reflect the company's ongoing new product innovations that continue to expand beyond hygienic wall panels.



IVORY (84) | EMBOSSED



WHITE (85) | SMOOTH



BLACK (15) | 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



ACCESSORIES:

Standard Polypropylene Moldings
Polyurethane Seam Sealant
Color Rite™ Color-Matched Silicone Caulk

APPLICATIONS:

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

FEATURES:

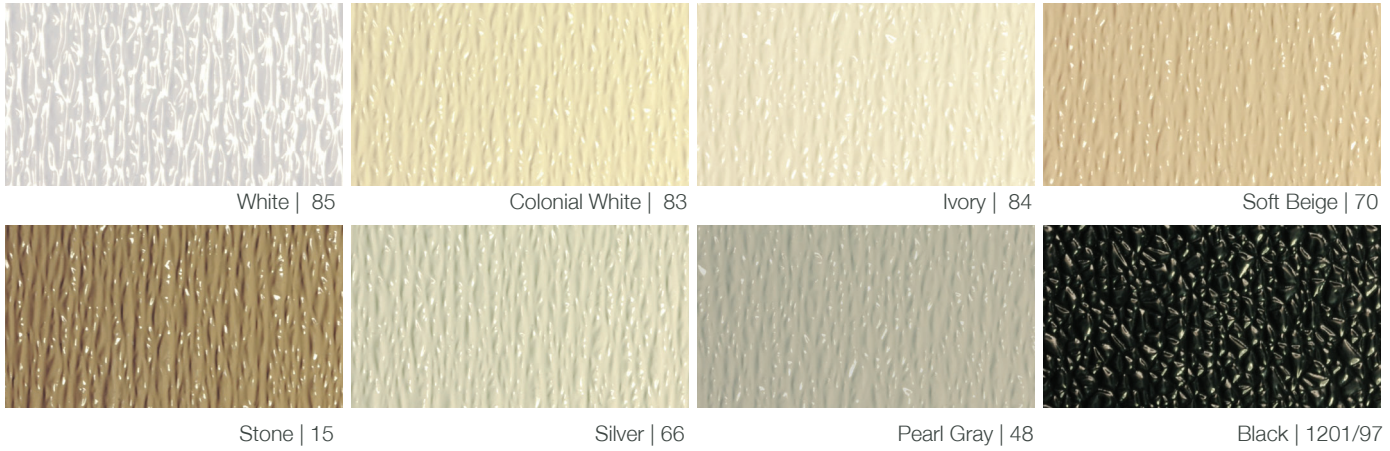
- Mold + Mildew Free
- Meets USDA/FSIS Requirements
- Restrooms
- Easy to Install
- Cleanable
- Durable

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 CANULC-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					

VARIETEX®

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.



SUGARLOAF SAND (1294) | SANDSTONE



MORNING MIST GRAY (636) | SANDSTONE



COTTON WHITE (1130) | LINEN

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

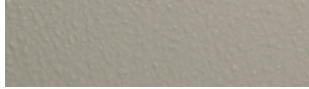
SANDSTONE TEXTURE



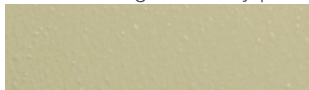
Cotton White | 1130



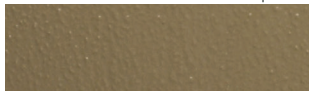
Sugarloaf Sand | 1294*



Morning Mist Gray | 636



Almond Breeze | 866



Fawn Brown | 809



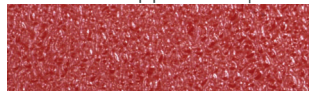
Clear Water | 1277*



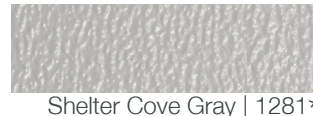
Graphite Vik | 1276*



Pepper Dust | 8044



Mauna Red | 1295*



Shelter Cove Gray | 1281*



South Beach Ivory | 1282*



Sand Dune | 8043*

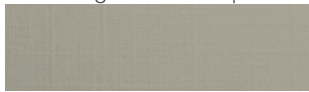
LINEN TEXTURE



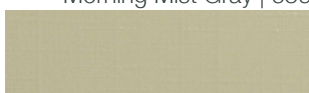
Cotton White | 1130



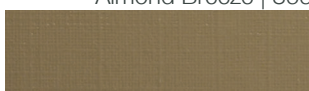
Sugarloaf Sand | 1294*



Morning Mist Gray | 636



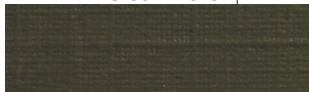
Almond Breeze | 866



Fawn Brown | 809



Clear Water | 1277*



Graphite Vik | 1276*



Pepper Dust | 8044



Mauna Red | 1295



Shelter Cove Gray | 1281*



South Beach Ivory | 1282*



Sand Dune | 8043*

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.



BEAM (06PW)



COASTAL CANVAS (007C)



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:

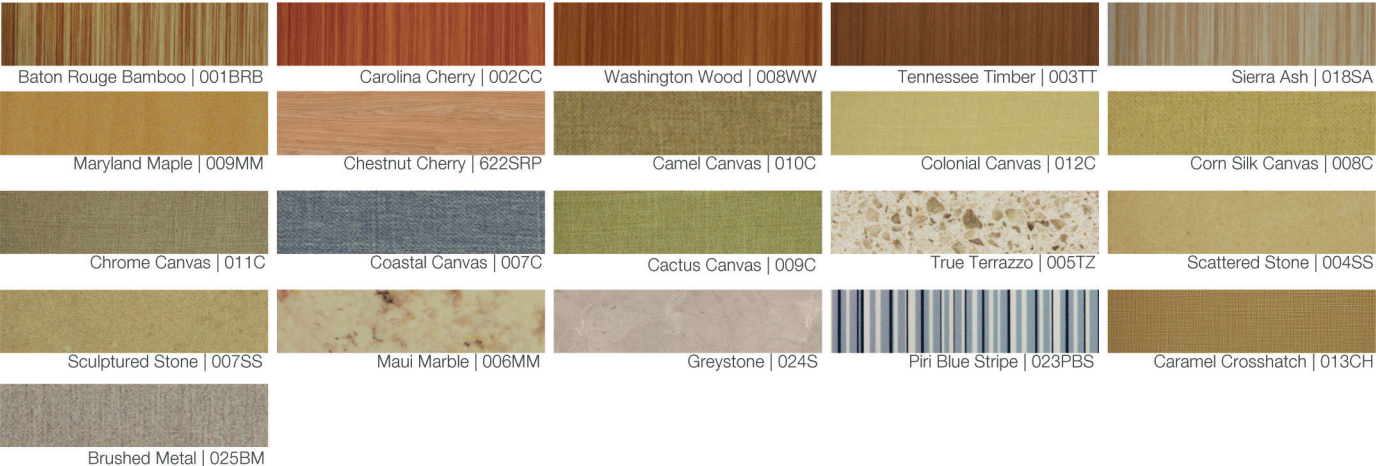
- Mold + Mildew Free
- Meets USDA/FSIS Requirements
- Easy to Install
- Cleanable
- Durable

custom designs

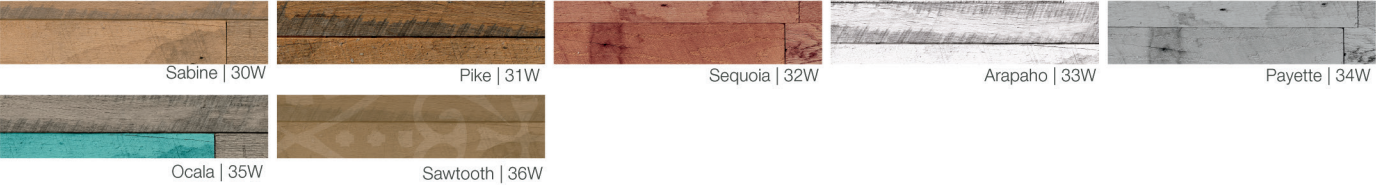
Imagine your artwork on a wall. Crane Composites brings your concept to reality with vibrant breathtaking details. Ask for alterations to one of our existing patterns or create your own unique design. Give life to your custom look in any arrangement you choose including logos, artwork, or corporate identity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

DESIGNS

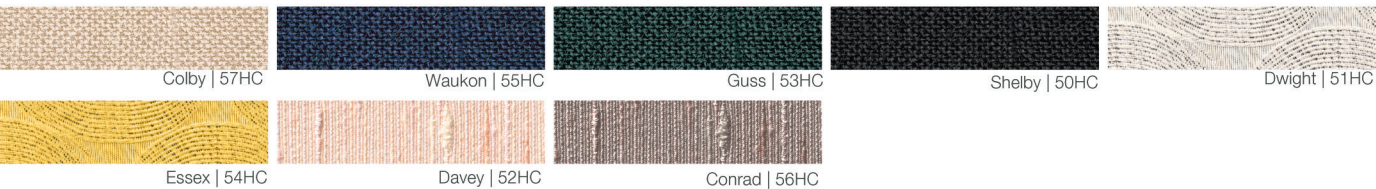
The Classics Collection



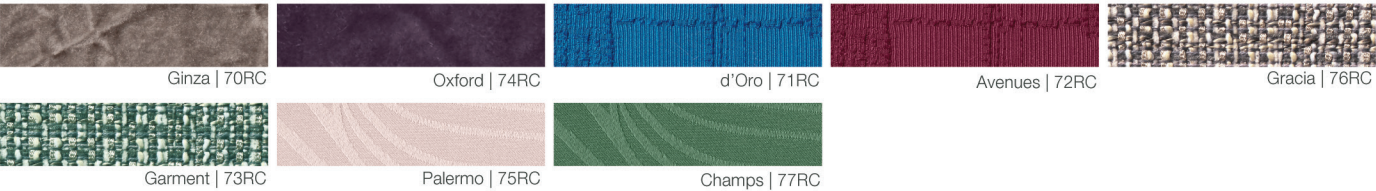
The Forest Collection



The Heartland Collection



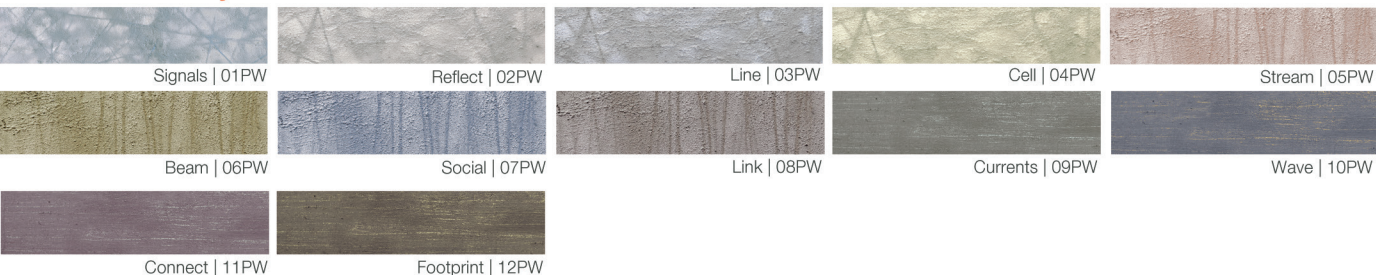
The Runway Collection



The City Works Collection



The Pathways Collection



Kemply® + Sanigrid® wall panels with Surfaseal® finish



KEMP LY WALL PANELS WITH SANIGRID CEILING GRID
FLUTED POLYPROPYLENE | EMBOSSED WHITE (85)

add strength

Kemply 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. Sanigrid is the ideal solution for high humidity and chemical environment installations. Sanigrid system features a fast installation, with the entire system easily snapping together.

Kemply® laminated wall + ceiling panels

AVAILABLE SIZES:

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

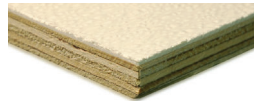
AVAILABLE GLASBORD SKINS:

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

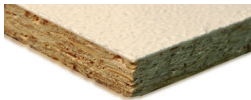
AVAILABLE SUBSTRATES:



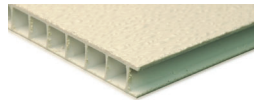
Gypsum: 1/2" | 5/8"



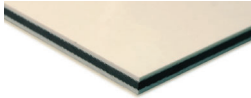
Plywood: 3/8" | 1/2" | 5/8" | 3/4"



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® 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

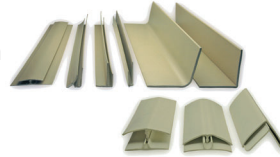
SEAM TREATMENT ACCESSORIES

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.

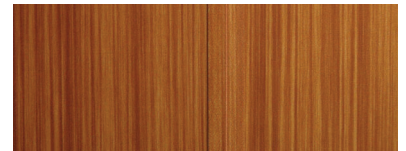
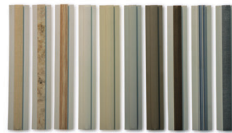
for designs, varietex, + glasbord panels



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.

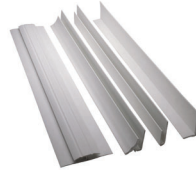
for designs + varietex panels



Beaded Panel Molding

Specially designed beaded division bar to compliment our beaded panels. Available in 10' lengths in cotton white (1130) color.

for varietex beaded panels



Aluminum Trims

Designed for a contrasting and upscale look. Available in 10' lengths in silver color.

for designs + varietex panels



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 for detailed installation information.



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

Restaurants

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

Retail (Malls/Supermarkets)

public areas | customer service | restrooms | bakeries | delis | store rooms

Hospitality (Hotel/Resorts)

cafes | kitchens | lobbies | restrooms | food service areas | service hallways

Processing Plants

cleanrooms | pharmaceutical | labs | food processing | hospitals | warehousing

Healthcare

waiting rooms | doctor offices | hospital rooms | restrooms | dialysis clinics

Education

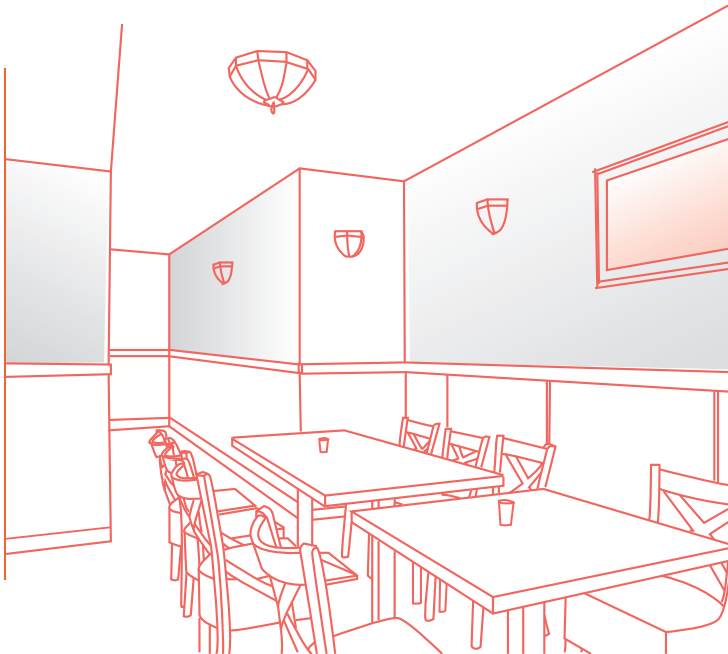
cafeterias | classrooms | restrooms | hallways | locker rooms | stadiums

Restaurant applications



GLASBORD® WALL PANEL
EMBOSSÉ (WHITE)

Restaurant applications



WHERE?

IN BACK IN BETWEEN IN FRONT



**kitchens +
store rooms**

**restrooms +
beverage stations**

**dining rooms +
bar area**

USE GLASBORD WALL PANELS
PAGES 10-11

USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15

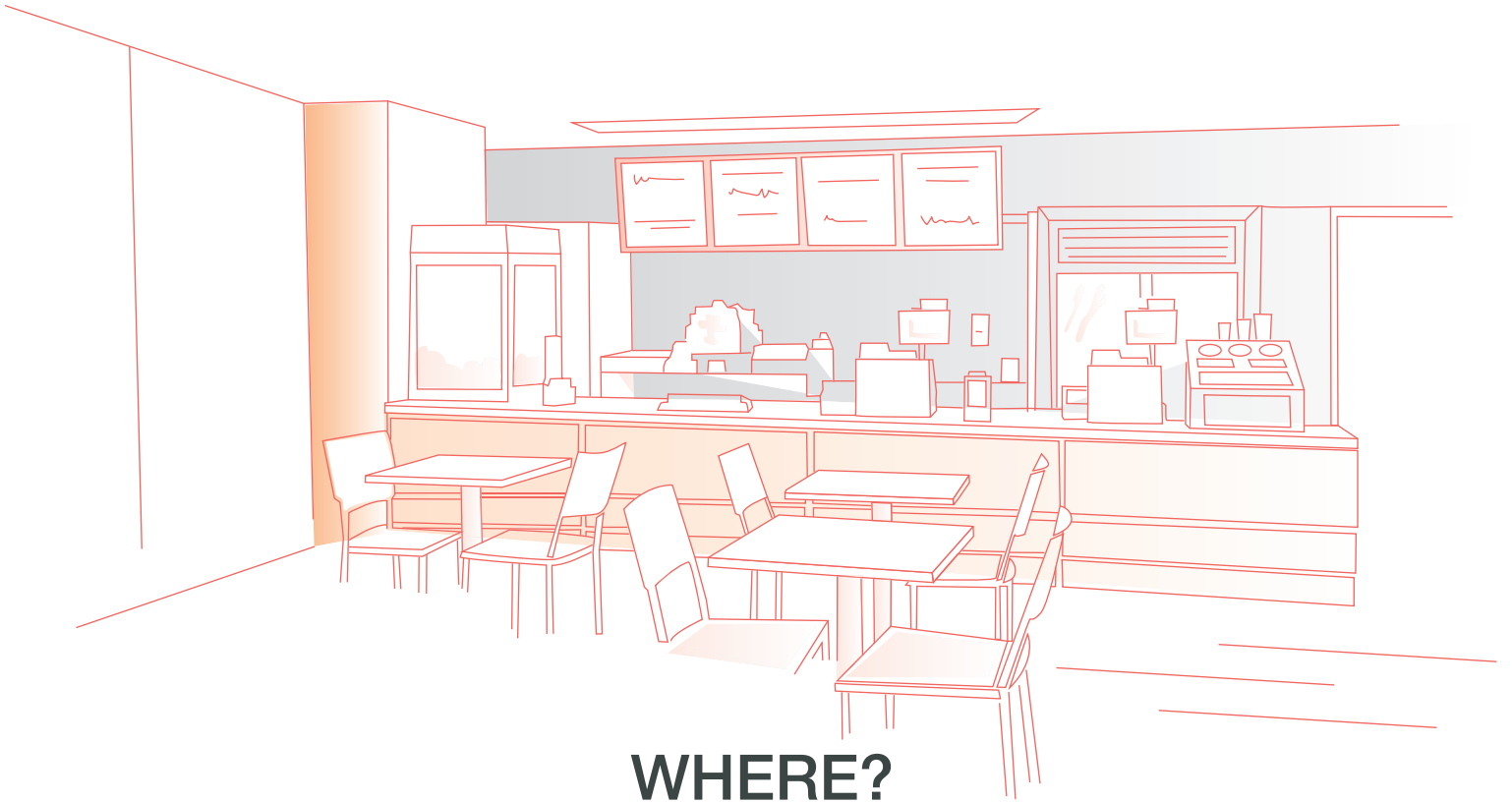
USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15

Retail applications



GLASBORD® WALL PANEL
EMBOSS (BLACK)

Retail applications



WHERE?

IN BACK IN BETWEEN IN FRONT



**storage areas
+ restrooms**

USE GLASBORD WALL PANELS
PAGES 10-11



**eatery + delis +
bakeries**

USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15



**aisles +
cart return**

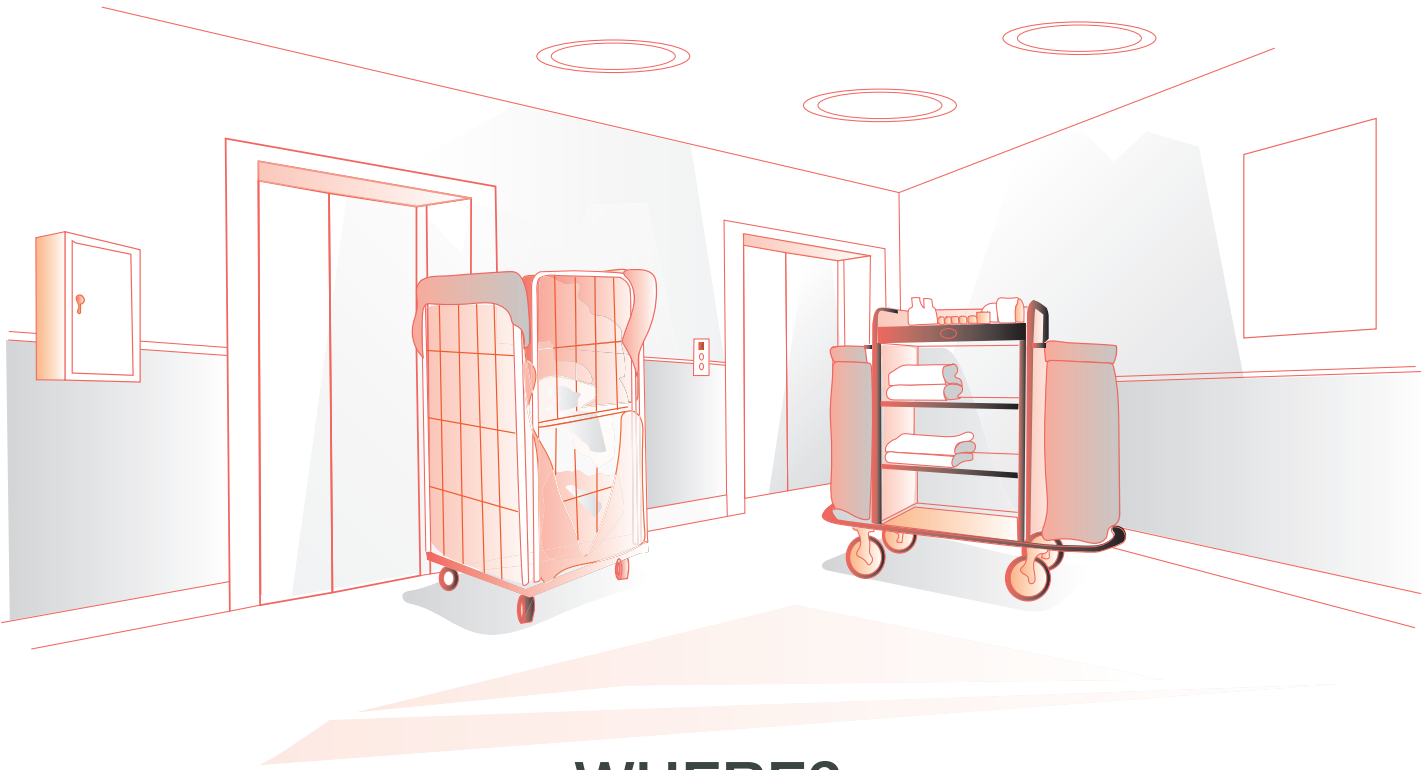
USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15

Hospitality applications



GLASBORD® WALL PANEL
EMBOSSSED (WHITE)

Hospitality applications



WHERE?

IN BACK



kitchens

USE GLASBORD WALL PANELS
PAGES 10-11



laundry rooms

USE GLASBORD WALL PANELS
PAGES 10-11



service areas

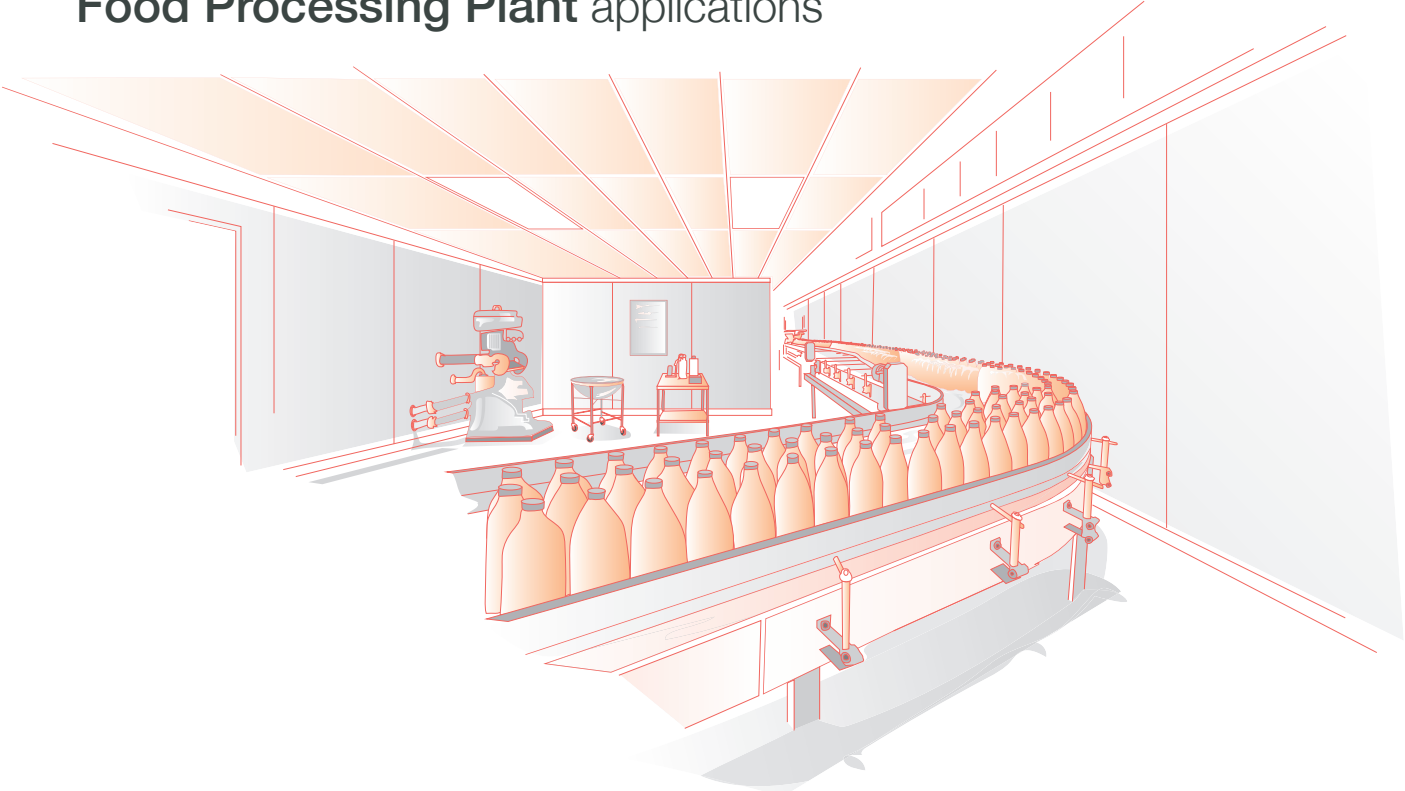
USE GLASBORD WALL PANELS
PAGES 10-11

Food Processing Plant applications



GLASBORD® WALL PANEL
EMBOSSED (WHITE)

Food Processing Plant applications



WHERE?

IN BACK



process area

USE GLASBORD WALL PANELS
PAGES 10-11



restrooms

USE GLASBORD WALL PANELS
PAGES 10-11



cold storage

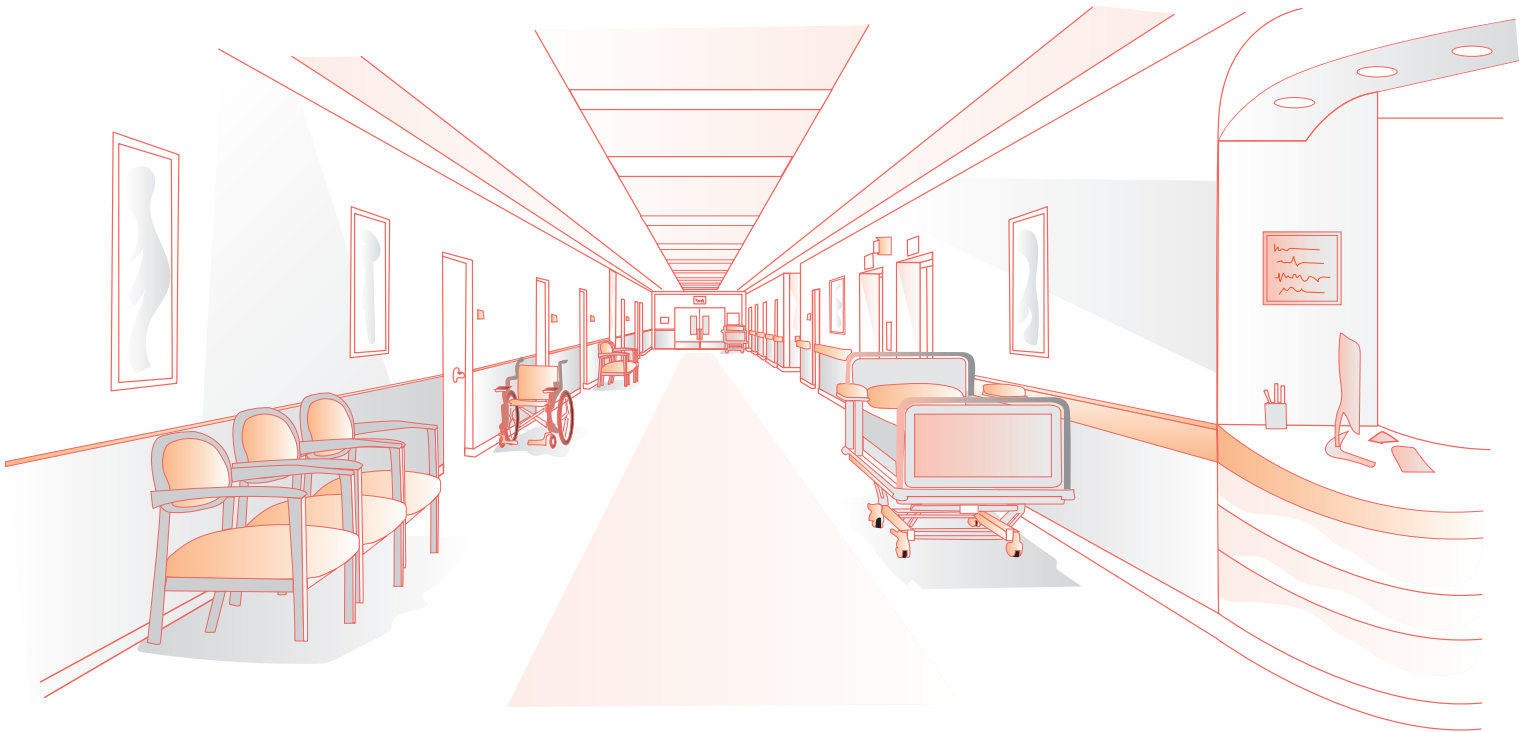
USE GLASBORD WALL PANELS
PAGES 10-11

Healthcare applications



VARIETEX® WALL PANEL
MORNING MIST GRAY (SANDSTONE)

Healthcare applications



WHERE?

IN BACK IN BETWEEN IN FRONT



storage areas

USE GLASBORD WALL PANELS
PAGES 10-11



corridors

USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15



reception area

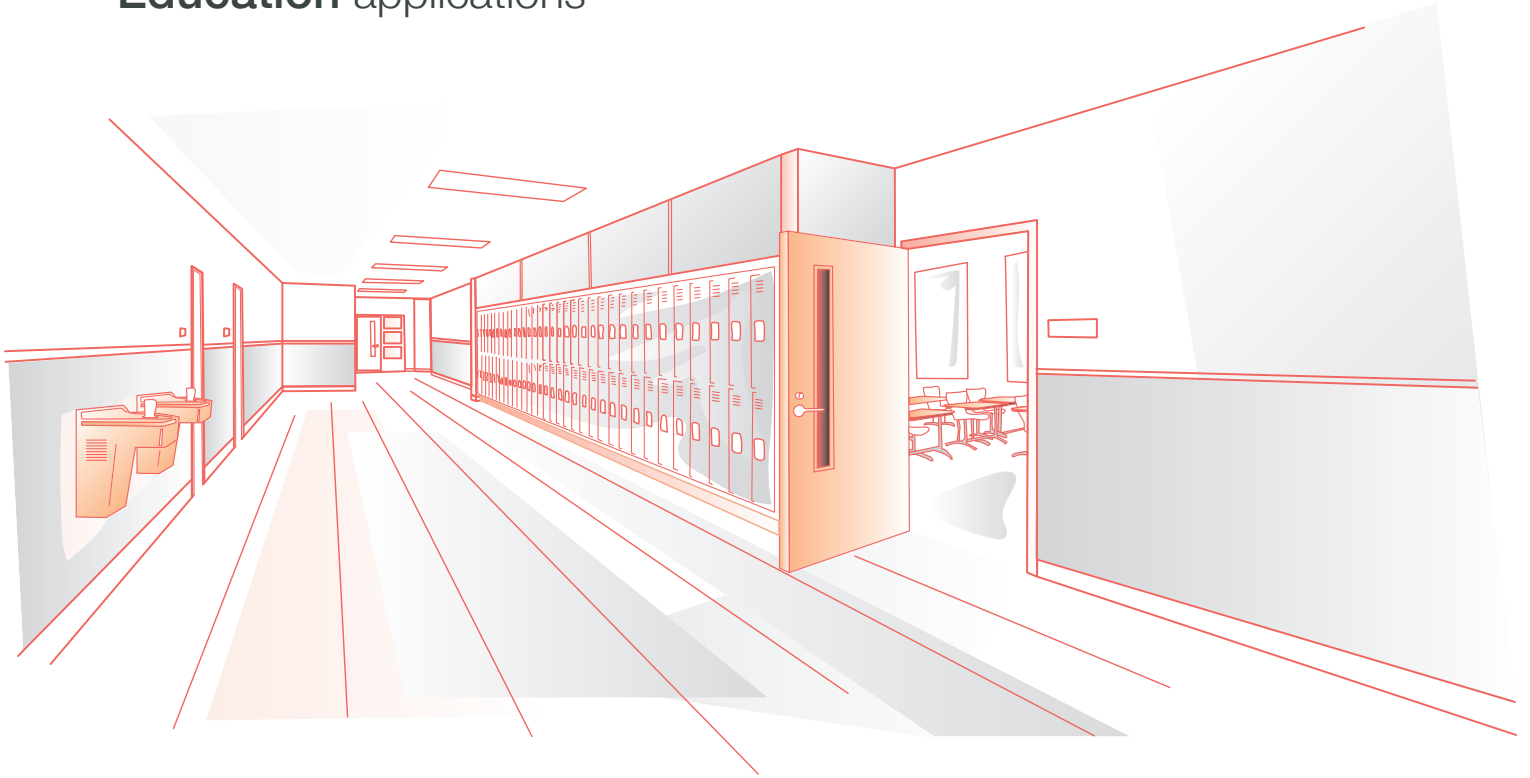
USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15

Education applications



VARIETEX® WALL PANEL
PEPPER DUST (SANDSTONE)

Education applications



WHERE?

IN BACK IN BETWEEN IN FRONT



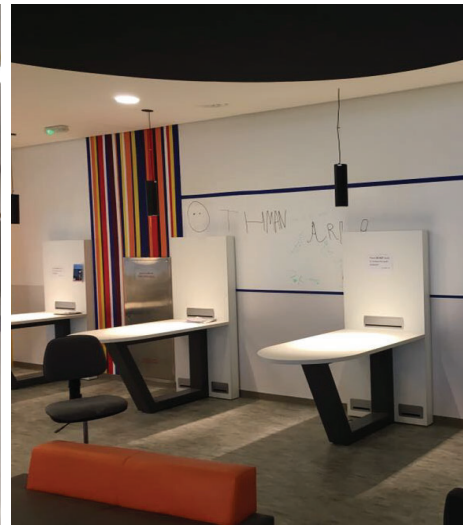
locker rooms

USE GLASBORD WALL PANELS
PAGES 10-11



hallways

USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15



classrooms

USE VARIETEX & DESIGNS
WALL PANELS | PAGES 12-15

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.



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