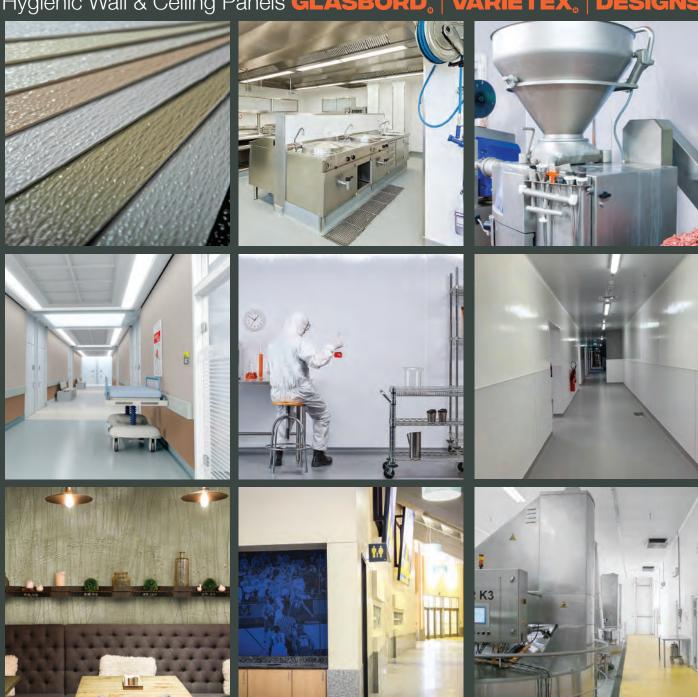


Hygienic Wall & Ceiling Panels GLASBORD, | VARIETEX, | DESIGNS



Crane FRP Fiberglass Reinforced Panels MIDDLE EAST

why Crane frp?



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.

table of **contents**

Who We Are

04*

Parent Company | Company Overview | Our Locations | Crane Middle East

What is Crane FRP

07*

Fiberglass Reinforced Plastic | Crane FRP Benefits

Why Choose Crane FRP

08

Value Proposition | Our Product Lines | Our Capabilities & Innovations

Our Products

10

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

Our Applications + Segments

20*

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















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 Holdings (NYSE:CR)

Crane Co. operates four business segments, each of which designs and manufactures highly engineered industrial products. Our businesses are all known for proprietary and differentiated technology, quality and reliability, deep vertical expertise, and responsiveness to unique customer needs. We serve some of the most demanding end markets, from aerospace & defense, bill validation and counterfeit detection, and oil & gas, to chemical, pharmaceutical, transportation, and many others.

R.T. CRANF 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."





26 COUNTRIES



11,000+



150 LOCATIONS



\$3.2B



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.

AEROSPACE AND ELECTRONICS

Industry leader highprecision 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 Holdings (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



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



TRANSPORTATION

COMMERCIAL BUILDING



















customer support drives us



RIGHT PRODUCT ON-TIME DELIVERY LARGE PRODUCT OFFERING



EXPERIENCED REPS EXTENSIVE TRAINING INDUSTRY EXPERIENCE





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

BRAND X

GLASBORD

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



VARIETEX

panels with performance |



DESIGNS

imaged panels with performance + style



traditional wall, ceiling, + corrugated panels

manufacturing capabilities





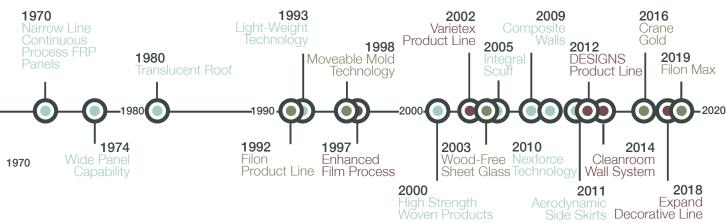
- Widths up to 110" and lengths up to 700'
- Thicknesses range from 0.04" to 0.235"
- Innovative textures, patterns and colors
- · Variety of resin formulations & reinforcement options
- UV Stabilizers for improved weathering
- Ability to customize corrugated profiles
- Exterior premium gel coat finishes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







GRAY (636) | 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













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



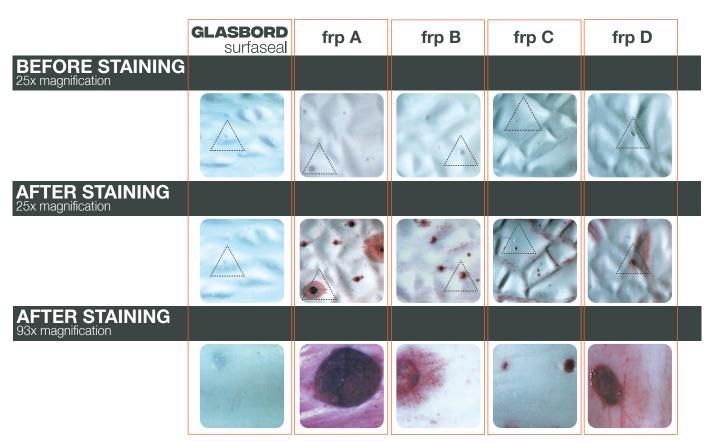
SMOOTH TEXTURE



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

Our unique Surfaseal finish





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.



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



MORNING MIST GRAY (636) | SANDSTONE



SUGARLOAF SAND (1294) | 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









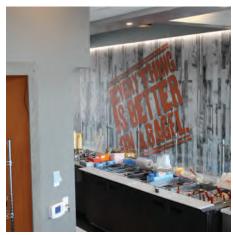
DESIGNS

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



Sawtooth | 36W

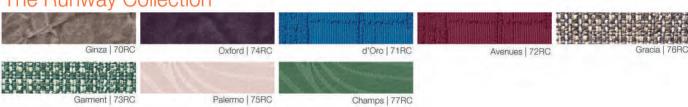
Davey | 52HC

The Heartland Collection



Conrad | 56HC

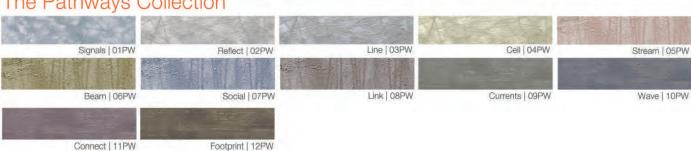
Essex | 54HC The Runway Collection



The City Works Collection



The Pathways Collection



KEMPLY + **SANIGRID** wall panels with Surfaseal® finish



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"



Fluted Polypropylene: 0.32" | 0.40'

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

/

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.

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.

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.

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.

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.

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.

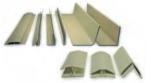
INSTALLATION TOOLS

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.

standard for glasbord + wide for kemply





for designs, varietex, + glasbord panels





for designs + varietex panels





for an upscale look + clean transitions







for seamless wall to floor transition





for seamless glasbord panels







there is more to from 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



Restaurant applications



WHERE?

IN BACK

IN BETWEEN

IN FRONT







kitchens + store rooms

USE GLASBORD WALL PANELS PAGES 10-11

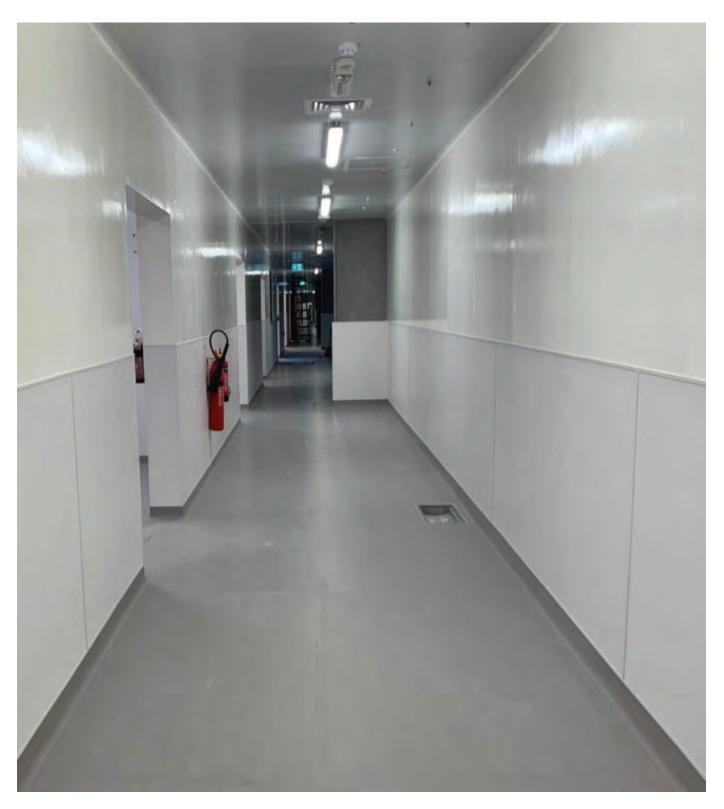
counters + beverage stations

USE VARIETEX & DESIGNS WALL PANELS | PAGES 12-15

dining rooms + bar area

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 10-11

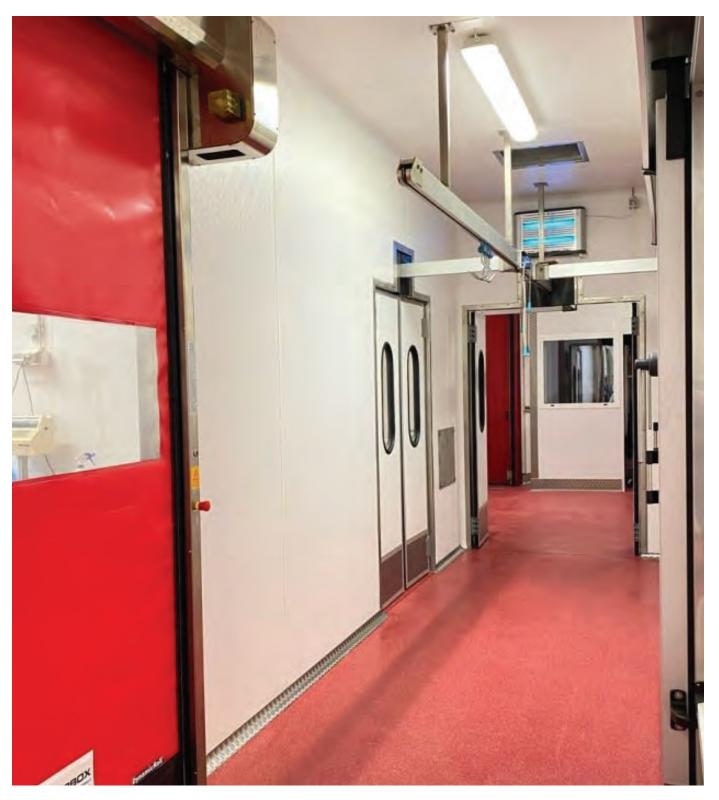
laundry rooms

USE GLASBORD WALL PANELS PAGES 10-11

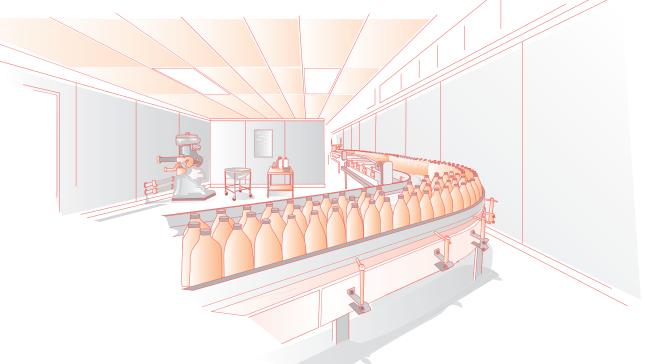
service areas

USE GLASBORD WALL PANELS PAGES 10-11

Food Processing Plant applications







WHERE?

IN BACK







cold storage

USE GLASBORD WALL PANELS PAGES 10-11

material processing

USE GLASBORD WALL PANELS PAGES 10-11

post processing

USE GLASBORD WALL PANELS PAGES 10-11

Retail applications



Retail applications



IN BACK

IN BETWEEN

IN FRONT







storage areas + corridors

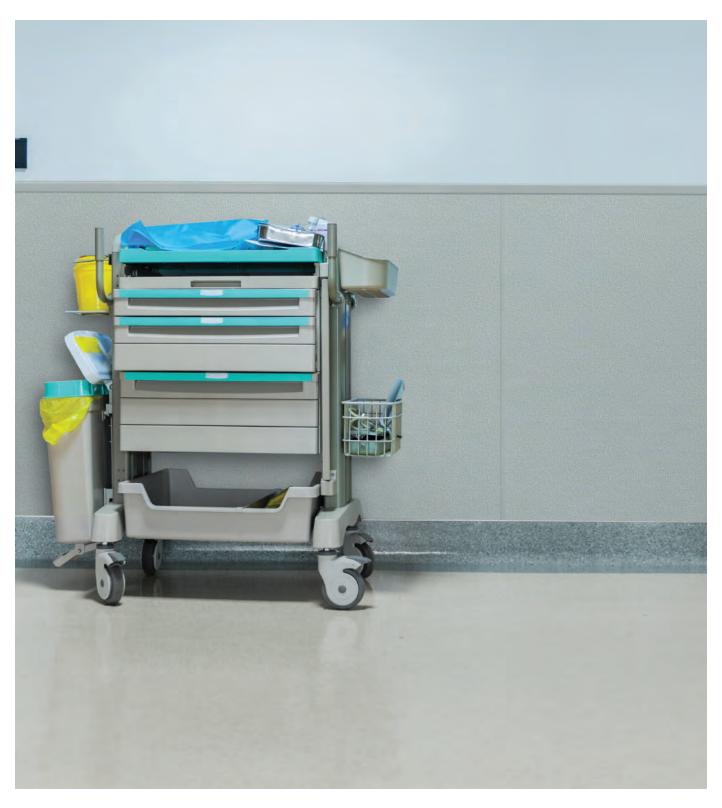
USE GLASBORD WALL PANELS PAGES 10-11 eatery + delis + bakeries

USE VARIETEX & DESIGNS WALL PANELS | PAGES 12-15

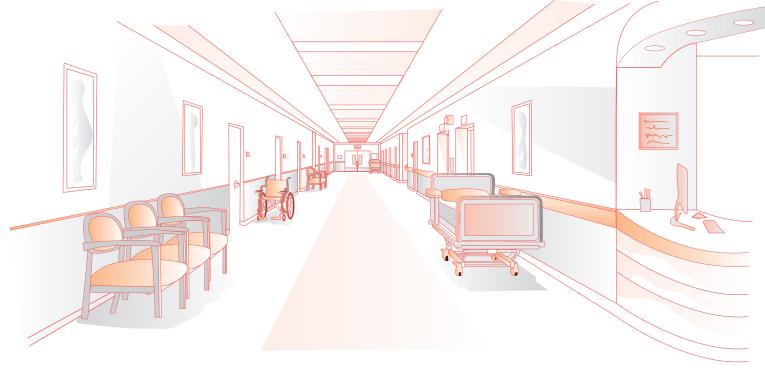
aisles + cart return

USE VARIETEX & DESIGNS WALL PANELS | PAGES 12-15

Healthcare + Cleanroom applications



Healthcare + Cleanroom applications



WHERE?

IN BACK

IN BETWEEN

IN FRONT







operating rooms + cleanrooms

USE GLASBORD WALL PANELS PAGES 10-11

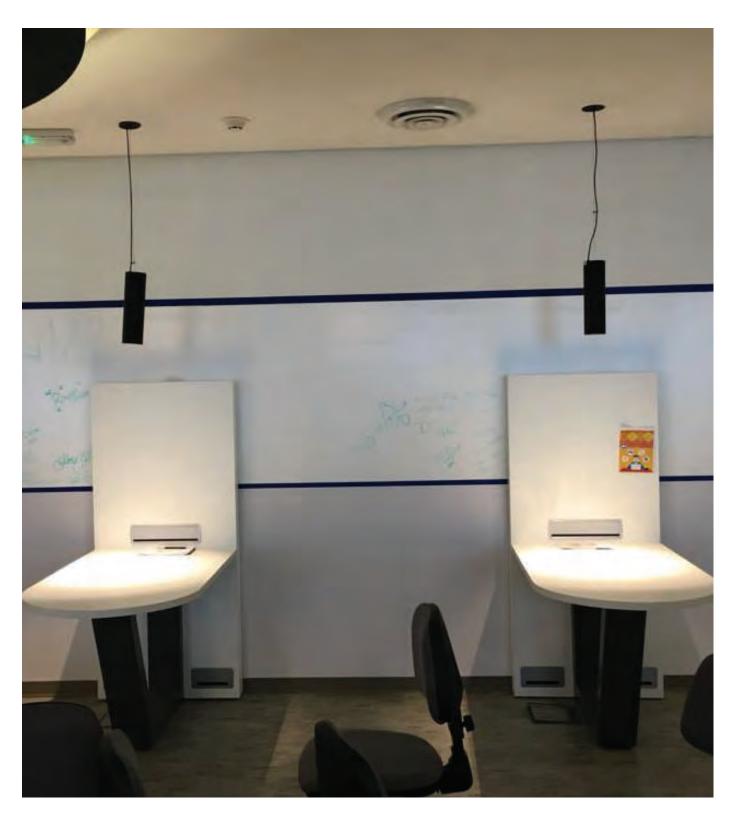
corridors + housekeeping rooms

USE VARIETEX & DESIGNS WALL PANELS | PAGES 12-15

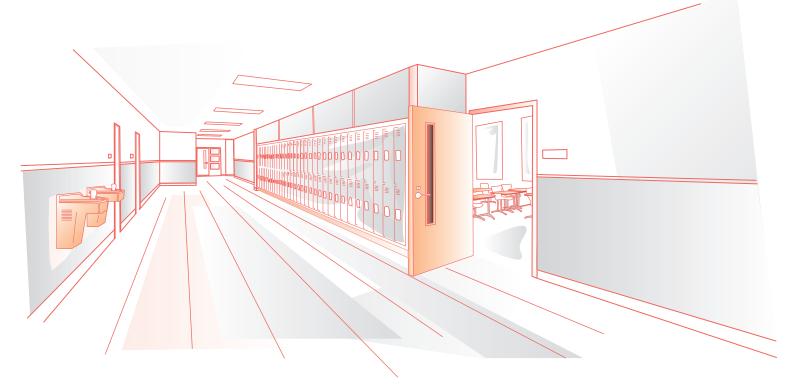
reception area + lobbies

USE VARIETEX & DESIGNS WALL PANELS | PAGES 12-15

Education applications



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







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, bus also from our extensive support programs. Our expert product teams are focused on the needs of customers to provide unparalleled service and expertise.

Crane Middle East and Africa

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