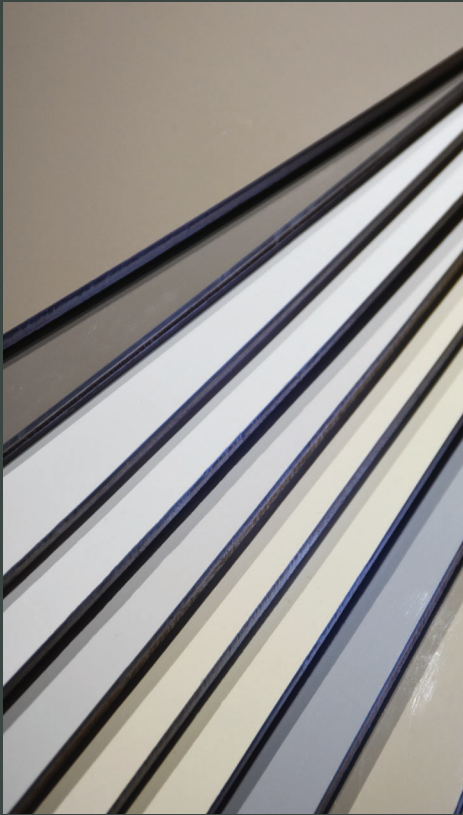


CRANE

Composites

DISCOVER THE DIFFERENCE
frp surface systems

Recreational Vehicle Panels Sidewalls | Roof Panels | Door Skins



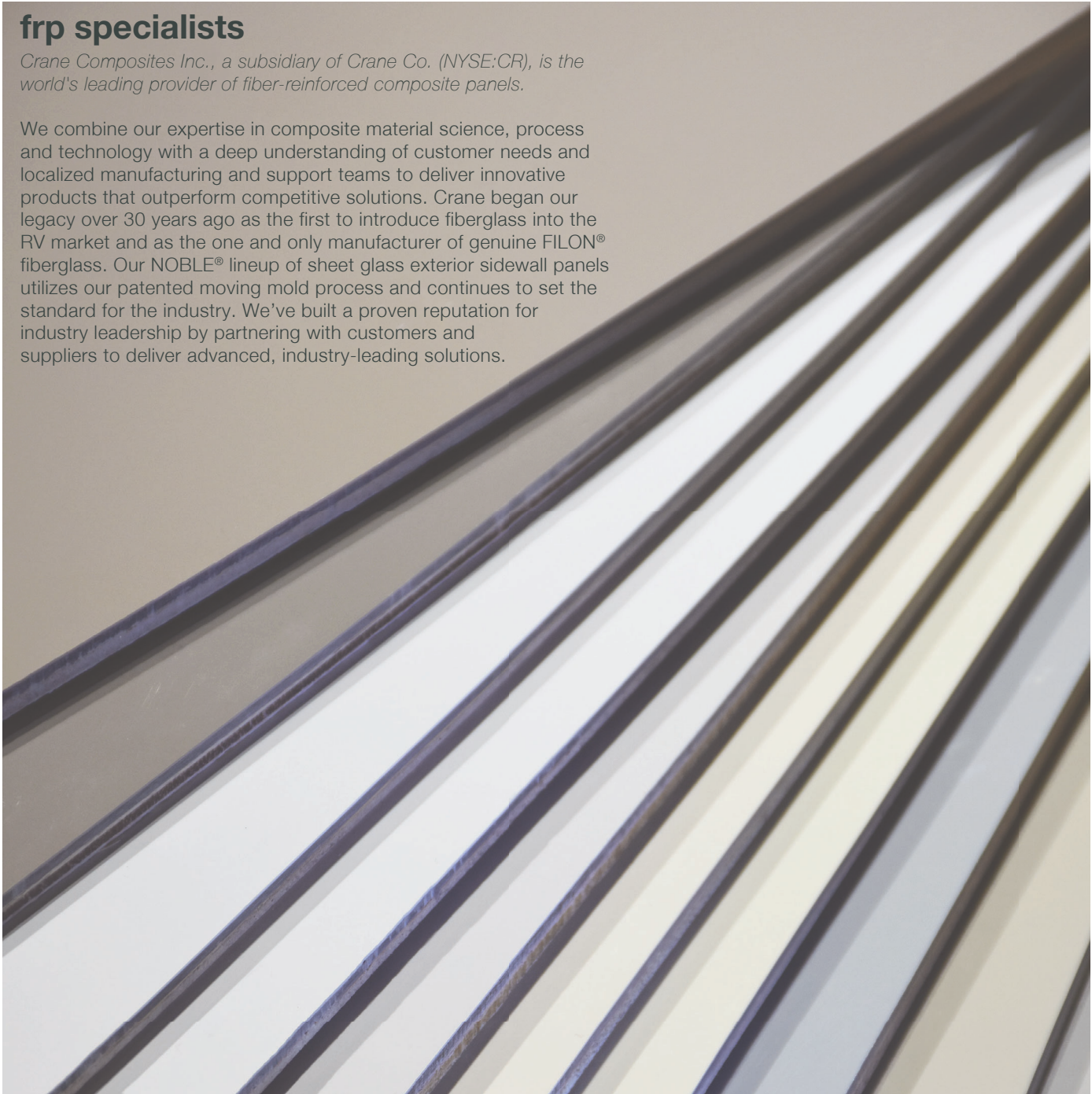
frp Fiberglass Reinforced Panels

We are **Crane Composites**

frp specialists

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

We combine our expertise in composite material science, process and technology with a deep understanding of customer needs and localized manufacturing and support teams to deliver innovative products that outperform competitive solutions. Crane began our legacy over 30 years ago as the first to introduce fiberglass into the RV market and as the one and only manufacturer of genuine FILON® fiberglass. Our NOBLE® lineup of sheet glass exterior sidewall panels utilizes our patented moving mold process and continues to set the standard for the industry. We've built a proven reputation for industry leadership by partnering with customers and suppliers to deliver advanced, industry-leading solutions.



performance driven

We are a performance driven organization committed to global leadership and the production of high quality composite materials. We are committed to profitable growth that benefits our customers, employees and stakeholders by adhering to our high standards of Operational Excellence and our Crane Values. Customers benefit not only from the outstanding performance characteristics of our products; they also realize value from our extensive product support programs. Our expert product teams are focused on the needs of customers to provide unparalleled expertise. No one else stands behind their product like Crane!

manufactured in the USA

Crane Composites, Inc. certifies that FRP sidewalls, roofs, and door skins sold under the names FILON® and NOBLE® are manufactured in the United States. FILON panels are manufactured in Jonesboro, Arkansas and NOBLE panels are manufactured in Goshen, Indiana.

we go beyond quality products **to also lead in service & support**

customer focus

accommodate packaging, shipping, lead time, and sequencing requests

technical expertise

industry leading equipment and state-of-the-art lab

care + maintenance

dedicated experts providing best practices for longevity and repairs of RV sidewalls

local sales team

experienced team located in Goshen, Indiana

customer support

technical support and customer service teams based in the USA

commitments

committed to environmental and safety stewardship

marketing services

access to printed and online literature and custom collateral

warranties

products backed by industry leading warranty

Crane Composites is inspired by one common objective: to help our customers succeed. Customers inspire our trained staff of experts to deliver timely, practical and innovative solutions that help them grow their business. From product information and service, to testing and technical support, all our products are backed with the local resources you need, when you need them.

OUR MISSION

Crane Composites

We have been in the RV game a very long time. We have a team of dedicated product managers, engineers, chemists, technical managers, marketing, sales and customer service resources that support our RV customers and lead the industry in expertise and experience. Crane Composites is the only proud manufacturer of genuine FILON® and NOBLE® products—no one stands behind their products like Crane!

RV Resolution



Discover the Difference is our motto. "We are resolved to exceed customer expectations in service and support; to engineer top of the line RV sidewalls, roofs, and door skins; to combine field research and voice of the customer to anticipate the needs of the industry; and to provide the market with industry expertise and experience while conducting business with fairness and integrity."



30+
YEARS IN RV BUSINESS



100+
YEARS OF RV EXPERIENCE



4
USA BASED MANUFACTURING
LOCATIONS



19,000 ft²
STATE-OF-THE-ART
R&D CENTER



9
MANUFACTURING LINES
WITH AMPLE CAPACITY

giving your customers a competitive edge



Industry leading testing capabilities at our manufacturing locations and R&D facility that allow us to engineer and produce products that stand up to conditions in real world scenarios.



Field research is built into our DNA. We don't just stop in the lab, our skilled engineers and chemists are regularly visiting OEM's, dealers and end users to conduct tests on RVs in the field.



Listening to the market is how we are able to anticipate industry needs and incorporate feedback from the market into our manufacturing and design.



We are locally based in the USA. We work closely with OEM's to package and ship products that best meet their manufacturing needs. Our local support teams are ready to assist and accommodate changing needs.

together we are greater than the sum of our parts



MIKE CHENEY

vp, recreational vehicles

“As the VP of the RV market segment, I am focused on delivering consistent, high quality and reliable products to the RV industry. I am committed to supporting our customers from prototype through production with resources stretching from our state of the art R&D center, manufacturing facilities, application expertise, and ongoing locally based technical support, for our customers and end users alike.”



MARIA HOVANES

market manager

“As the RV Market Manager, I represent the voice of the customer from the end users that purchase RVs, the dealers that manage the sales channel to the OEMs that build them. My goal is to manage our product portfolio and development to meet not only the current needs, but to help create partnerships for continued advancements benefiting the RV market place.”



NANCY RAPP

national sales manager

“As the RV National Sales Manager, my goal is to support every customer with unprecedented sales service. My team and I focus on learning about every aspect of your business and what is important to you. Our team goes to great lengths to develop relationships with each person that touches our product. From the receiving department to the GM, if you use our product we want to ensure that it exceeds your expectations.”



MICHAEL RICHARDSON

r&d director

“As the R&D Director, my goal is to be on the leading edge of technology and science with a focus on where the industry needs to be in the future. Developing new materials, processes, and test methods is core of what we do at the Crane Composites R&D Center.”

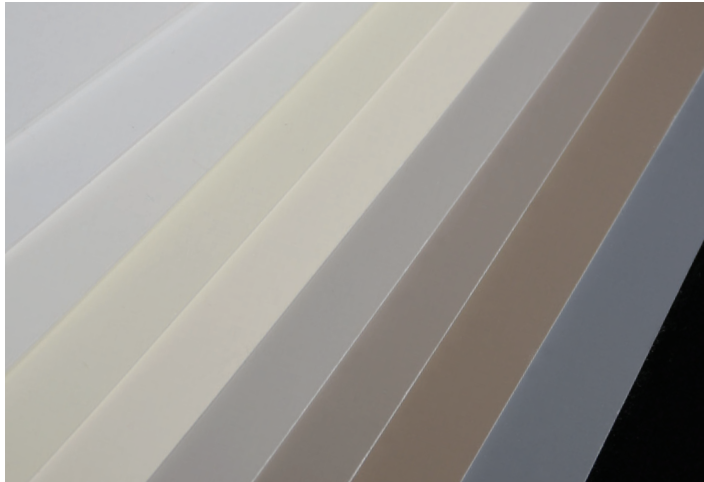


TRACY NEVAREZ

customer service manager

“As the Customer Service Manager, I am committed to building relationships that make a positive impact to our customers and working together with my team to meet the requests of our customers and to help your company succeed!”

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 composite material. Choosing the type of resin and additives allow for a vast array of mechanical, chemical and physical characteristics that optimize properties such as UV resistance, cleanability and durability. As an engineered material, FRP can be designed and manufactured to achieve specific performance goals with minimal waste, often reducing weight and cost compared to traditional materials like wood, aluminum or ceramic.

Benefits of FRP on your RV



Durable



Mold Resistant



Light Weight



Seamless Install



Easy to Clean



Easy to Install



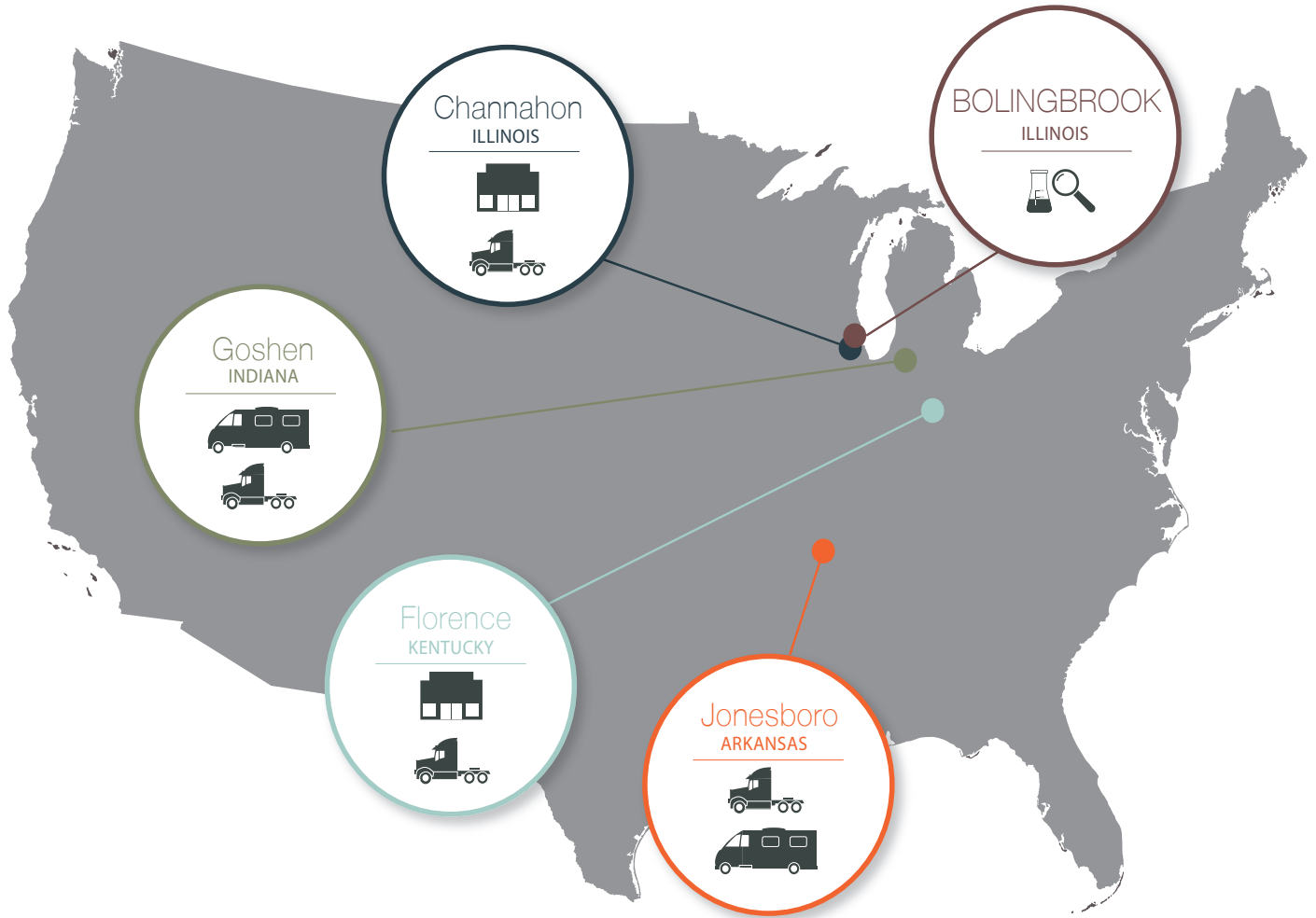
Weather Resistant



Impact Resistant

OUR LOCATIONS

Manufacturing Sites + Research & Development Center



key

- Building Products
- RVs
- Transportation
- R&D Center



OUR SEGMENTS **Recreational Vehicles**



play hard

Crane Composites is the world's leading producer of fiberglass products for the RV industry. Our exterior gel-coated and interior surfaces have a well-earned reputation for combining high performance with high style. As the premier manufacturer of both coilable and sheet glass RV panels, our products are used across the industry on motorized and towable units.



Motorized

premium automotive-grade gel-coated sidewalls for Class A, Class B, and Class C Motorhomes



Towable

smooth gel-coated sidewalls for Travel Trailers, Fifth Wheels, and Toy Haulers

OUR PRODUCTS

Covering your RV from the inside out

FILON®

COILABLE EXTERIOR SIDEWALLS



- smooth finish with a thick gel-coat for minimal fiber show; optimized for enhanced weathering

FILON®

MULTI-COLOR EXTERIOR SIDEWALLS



- durable sidewall with an attractive finish that combines multiple colors in one panel

FILON®

DOOR SKINS



- durable, weather resistant, seamless, no leak door panel

NOBLE®

SHEET GLASS EXTERIOR SIDEWALLS



- mirror-like, gel-coated finish bonded to a composite substrate or luan for an automotive-like appearance

FILON®

FLEXROOF PANELS



- flexible, seamless, no-leak roof that is abrasion resistant with excellent weathering properties

DESIGNS

IMAGED INTERIOR PANELS



- endless custom opportunities; easy to clean and moisture resistant

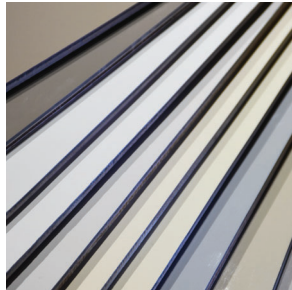
CAPABILITIES + INNOVATIONS

Manufactured for Our Customer's Needs

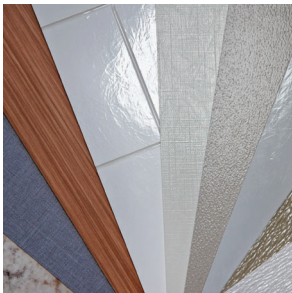
Manufacturing Capabilities



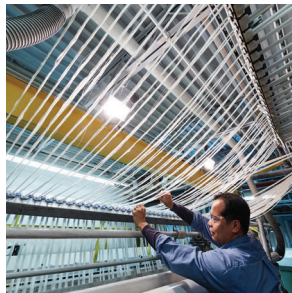
widths up to 112" +
lengths up to 700'



thickness range from
0.04" to 0.235"



innovative textures,
patterns + custom colors



variety of resin formulations
+ reinforcement options



uv stabilizers for improved
weathering



ability to sequence panels
to match OEM production

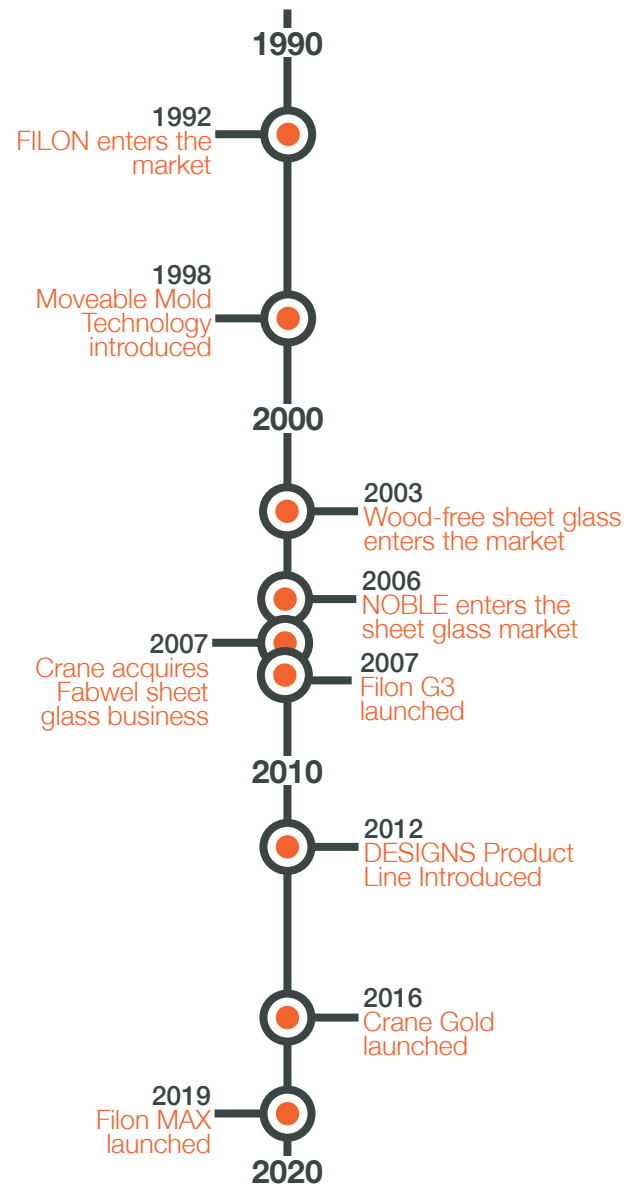


exterior premium gel-coat
finishes



premium substrates + raw
materials

innovation timeline



TECHNICAL SUPPORT

Expertise + People Define Us... Customers Inspire Us



From concept to production, Crane products are designed and engineered using our research development center with state-of-the-art testing equipment. Our experienced team of engineers and chemists utilize the latest in material testing to develop and improve our composite materials.

Our comprehensive in-house test labs include a wide range of mechanical and chemical test capabilities, so we can continuously evaluate products. Our engineers are constantly integrating the knowledge we gain from listening to customers by rigorously testing our materials into next generation product formulations. Whether you are looking for the latest product physical properties, gloss values, other external test reports or safety data sheets, you can find the information you need in our on-line Resource Center.

durability + dependability

- | | |
|-------------------------------|------------------------------|
| Supply Chain Flexibility | High Manufacturing Standards |
| Short Lead Times | Market Focused Sales Teams |
| Innovative Product Solutions | Dedicated Technical Team |
| In-house Testing Capabilities | Rigorous Quality Checks |

we test for real world scenarios

ABRASION RESISTANCE	DISTORTION RESISTANCE	IMPACT RESISTANCE	SURFACE APPEARANCE	UV RESISTANCE	GLOSS SURFACE	SURFACE ENERGY	THERMAL STABILITY	IMPERVIOUS TO WATER	ADHESION PROPERTIES

our state-of-art r&d lab & test methods



fiberglass reinforced plastic
FRP COMPOSITE PANELS



American pride. American manufacturing. American made FRP.



cranecomposites.com | 1.800.435.0080 | sales@cranecomposites.com



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