



3D|CORE™
all around composites

MARKETS



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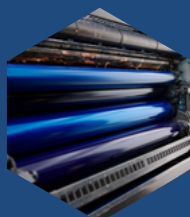
MARKETS

YOUR IDEA - OUR SOLUTION

The applications of our high-strength, ultra-light 3D|CORE™ core materials are endless and are already benefiting a wide range of customers in a variety of industries.

Our goal: a sustainable future. That's why we actively work every day to develop forward-looking solutions that minimize CO2 emissions, achieve resource-saving processes and reduce the cost of your product life cycle. We make your products more environmentally friendly.

Our versatile products always adapt to your individual requirements. Whether weight reduction, longer component life, more efficient production, performance-optimized components or cost reduction - we will find the right solution for you.





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MARINE

LIGHTWEIGHT AT SEA

The high demands of marine applications include maximization of performance, light weight, high strengths and cost-efficient production. Our solutions help you pave the way to an economical production process of products that optimize the performance of lightweight and rigid components for sailboats, yachts or motorboats, for example. Reduce weight and maximize performance.

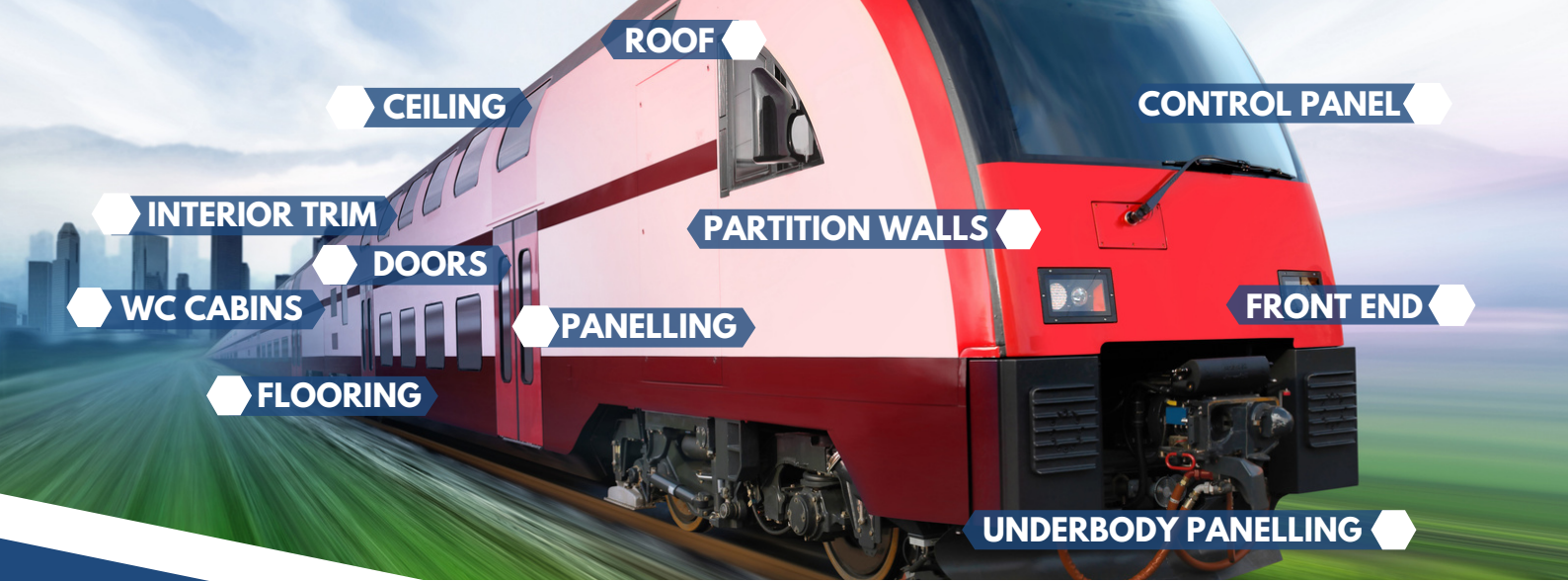
YOUR BENEFITS

- Excellent shear and compression properties
- Low weight
- High damage tolerance & impact strength
- DNV GL certified
- Flexible 3D|CORE™ TAPES for winding applications
- Technology without milling, pressure or heat
- Sustainable working method
- Easy processing

APPLICATION AREAS

- Sailing Yachts
- Motor Yachts
- Super Yachts
- Passenger ships
- Special purpose vessels (e.g. lifeboats)





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RAILWAY

LIGHTNESS IN HIGH SPEED

The demands on modern rail transport in terms of safety, energy efficiency and weight are constantly increasing. The Europe-wide fire protection standard EN 45545-2 creates additional challenges for designers. In addition, the requirements of the Green Deal must be met at the same time. Therefore, it is becoming increasingly difficult to find suitable materials for rail vehicle components. With us, you get sustainable, durable and flame-retardant material systems that are both economical and available in the right combination!

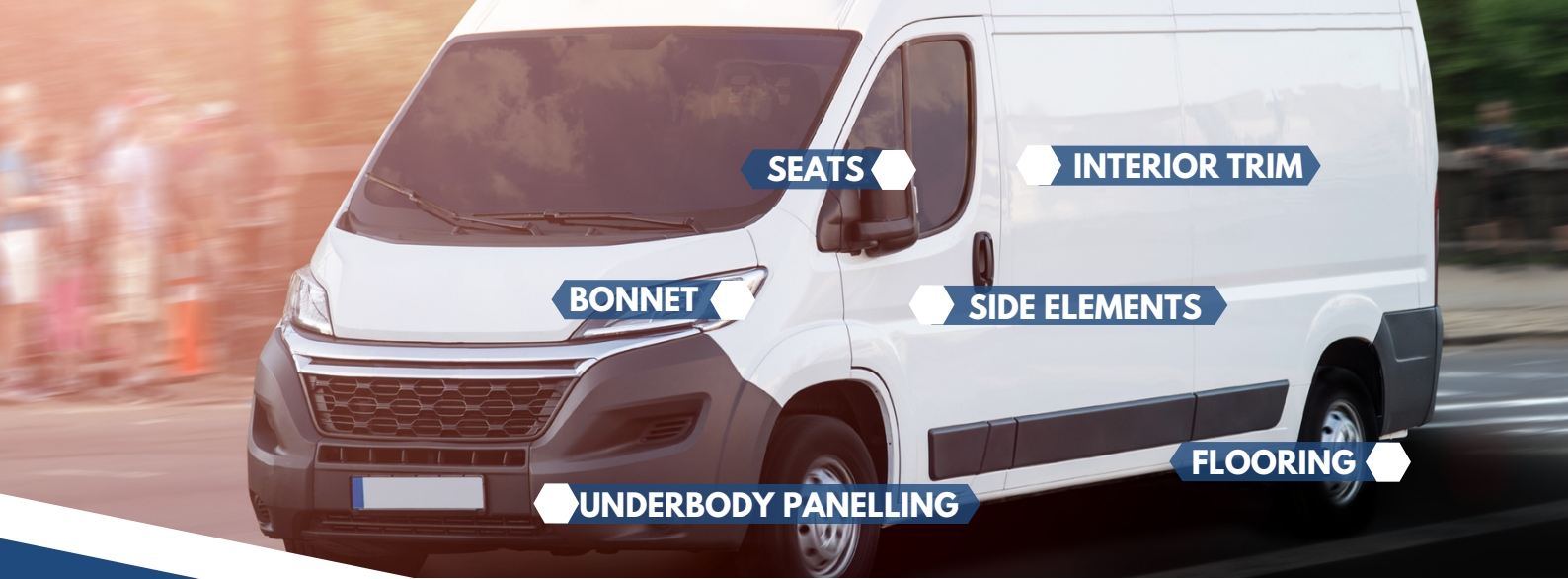
YOUR BENEFITS

- Excellent shear and compression properties
- Excellent fire resistance (EN 45545-2 certified)
- Low weight
- High fatigue strength
- Maximum design freedom
- Good thermal insulation & soundproofing
- High corrosion resistance
- Easy processing



APPLICATION AREAS

- Local passenger rail transport
- Long-distance passenger rail transport
- Trams
- Subways
- Rail freight transport



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TRANSPORT

LIGHTWEIGHT ON TOUR

Our 3D|CORE™ solutions and products help reduce vehicle weight and increase rigidity, which improves fuel efficiency and increases payload. In this way, the transport of people and goods can be made more efficient and sustainable. Because 3D|CORE™ material does not rot or absorb water, the life of the vehicle can be extended, maintenance can be reduced and our material serves as a substitute for plywood.

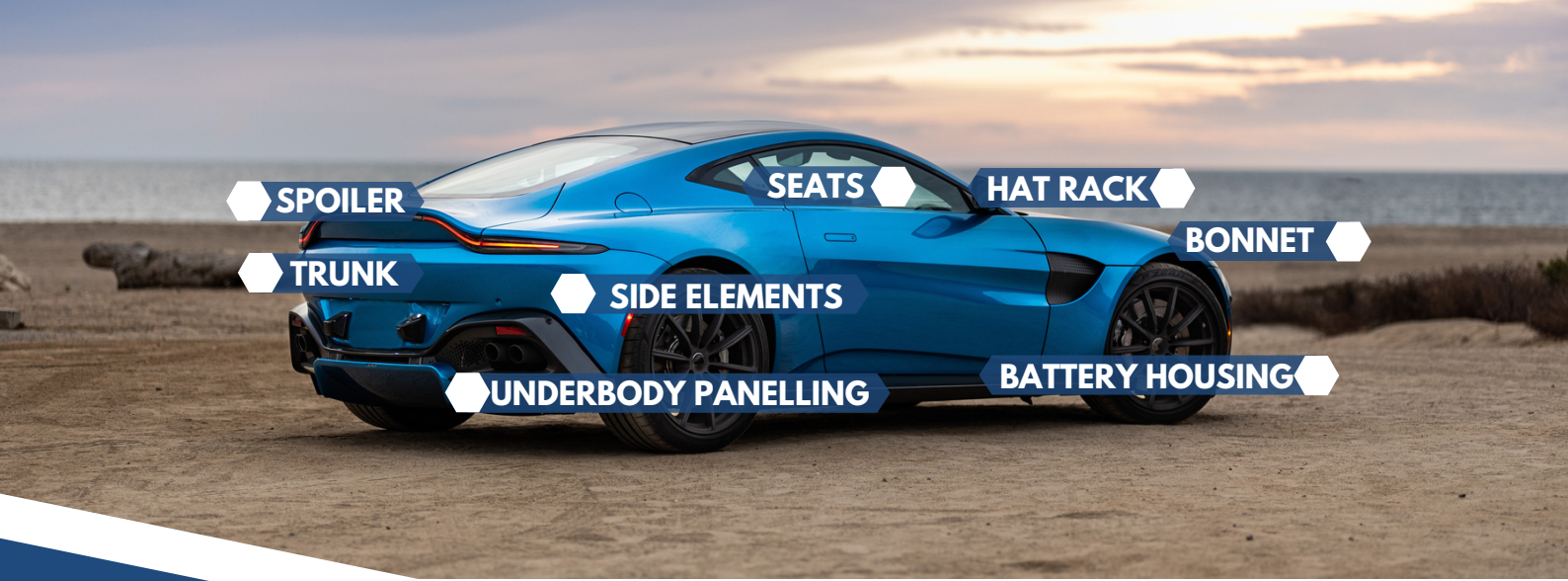
YOUR BENEFITS

- Weight savings
- Reduced fuel consumption
- Maximum design freedom
- Strength & stability
- High bending & impact strength
- Reduced maintenance
- High fatigue strength
- Easy processing



APPLICATION AREAS

- Commercial vehicles
- Trucks
- Buses
- Vans
- Special vehicles



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AUTOMOTIVE

LIGHTWEIGHT CONSTRUCTION WITH SPEED

Lightweight construction is one of the biggest challenges for the automotive industry. Automobile manufacturers and suppliers are faced with high requirements for reducing the weight of vehicles and their impact on fuel consumption, CO2 emissions and manufacturing costs.

With our lightweight products, you are able to produce lighter vehicles that meet increasingly stringent safety and mechanical standards.

YOUR BENEFITS

- Weight savings
- Reduced fuel consumption
- Maximum design freedom
- Strength & stability
- High bending & impact strength
- No rotting
- Easy processing

APPLICATION AREAS

- Passenger cars
- Electric vehicles
- Sports cars
- Motorbikes
- Agricultural vehicles





JET SKI

SURFBOARD

SKATEBOARD

SNOWBOARD

SKI

KAYAK

CANOE

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SPORTS & LEISURE

LIGHTWEIGHT SOLUTIONS FOR EVERYONE

Our 3D|CORE™ products offer many advantages for sports equipment. They can produce lightweight, durable and flex-resistant components. With our wide range of thicknesses and our 3D|CORE™ ASSEMBLY KITS, we leave no application area behind. In addition, with the unique structure of 3D|CORE™, components can be manufactured with fascinating visual effects.

YOUR BENEFITS

- Weight savings
- Maximum design freedom
- Strength & stability
- Homogeneity
- Less porosity
- High bending & impact strength
- No rotting
- Easy processing



APPLICATION AREAS

- Skateboards
- Surfboards
- Snowboards
- Ski
- Canoes & Kayaks
- Jet Ski



FACADES

ROOFS

PANELS

COVERINGS

DESIGN ELEMENTS

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DESIGN & ARCHITECTURE

LIGHTWEIGHT CONSTRUCTION WITHOUT LIMITS

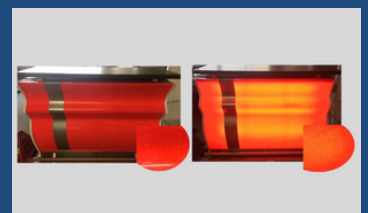
Our 3D|CORE™ products enable the construction of complex architectural designs with high stability and long life. The high flexibility and unique structures of 3D|CORE™ foam cores allow you to create fascinating visual effects. The products can be used both indoors and outdoors and are characterized by high weather resistance.

YOUR BENEFITS

- Weight savings
- Maximum design freedom
- Strength & stability
- High bending & impact strength
- No rotting
- Easy processing

APPLICATION AREAS

- Facades
- Roofs
- Panels
- Coverings
- Design elements





MASTS



PIPES



ROLLERS



TANKS

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WINDING

DYNAMICALLY LIGHTWEIGHT

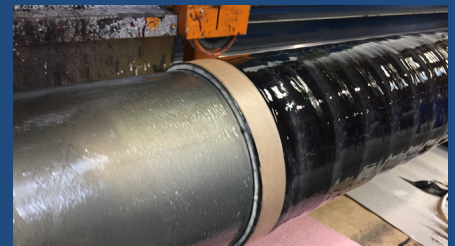
Our 3D|CORE™ products can simplify your production and make your work more efficient. With 3D|CORE™ TAPES you can produce pipes, poles, rollers and tanks even faster than before. Due to the dimensional stability, high temperature and chemical resistance of our 3D|CORE™ TAPES, you can manufacture completely independently during production. Thick walls can be produced in one step, which saves a lot of working time.

YOUR BENEFITS

- High durability
- High dimensional stability
- Easy processing
- No exothermic reaction
- Shorter production times
- High bending & impact strength
- Significant weight savings
- Excellent flexibility of the foam

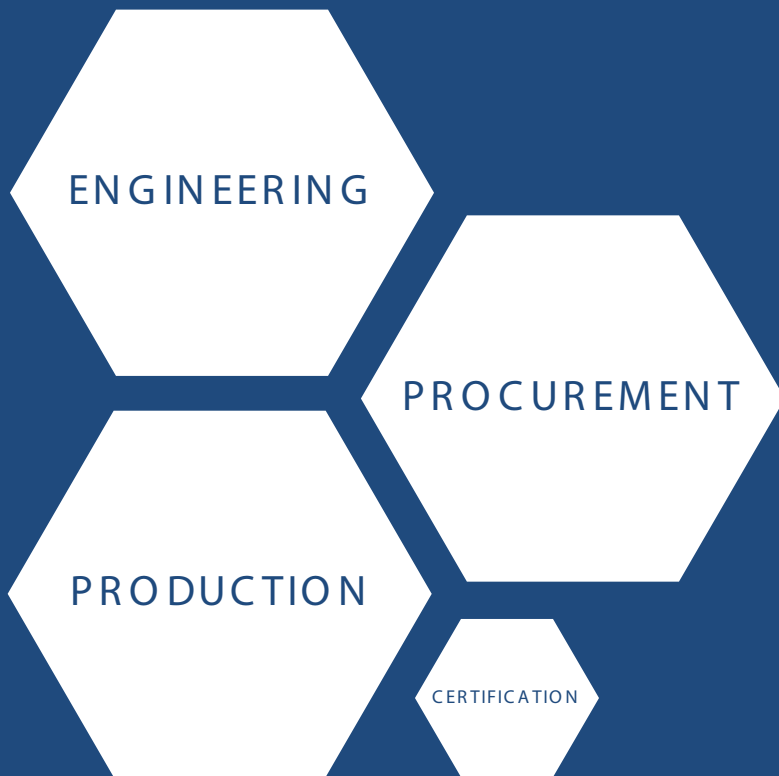
APPLICATION AREAS

- Pipes
- Tanks
- Sleeves
- Rollers
- Masts



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FIBERLINK INC.
55 Valleywood Drive,
Markham, Ontario L3R 5L9
Canada
www.fiberglassfiberlink.com
Phone: 905-475-2300
Email: sales@fiberglassfiberlink.com

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