



Original  
Composites &  
Fiberglass

# MARINE REINFORCEMENT SOLUTIONS

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JUNE 2026

## Our curiosity fuels your possibility

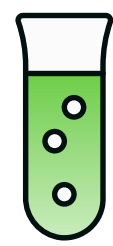
Strong, lightweight, and versatile. OCF composite solutions have transformed industries. From construction to transportation to energy — there’s no telling where our next innovation will reach.

We aren’t just a world leader in glass science — we innovate productivity, performance, durability, and design flexibility. Our influential innovations are a powerful combination of understanding emerging needs and responsibly creating next-generation solutions.

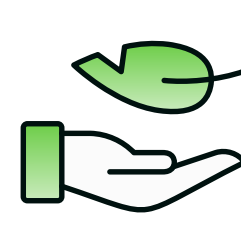
To meet the demands of a global composites industry, we engineer and develop composites that are used to create some of the strongest, lightest and most versatile materials that transform industries. Our products help make engineered composite material systems that are highly durable, energy-efficient, and lightweight compared to traditional materials such as steel, wood, or concrete. And thanks to our quick and efficient supply chain management practices, we provide high-quality, competitive, performance products to our customers. Supported by a worldwide manufacturing platform that spans three dozen manufacturing facilities and research and development centers, we deliver locally engineered, customized solutions.



**Corrosion  
Resistance**



**Innovative  
Chemistry**



**Lightweight  
Parts**



**Global  
Platform**

## Redefining marine reinforcements

At OCF, we support the marine industry with Fiberglass-reinforced polymer (FRP) composite solutions that are safe, reliable, and able to face tough conditions in the most demanding environments. For decades, they have outperformed traditional materials, and will continue to surpass your standards for many years to come.

## Product Benefits

| PROCESS     | APPLICATION/PROCESS DRIVERS                                                                                                                                                                                                               | PRODUCT FEATURES                                                                                                                                                                                           |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Spray Up    | <ul style="list-style-type: none"><li>• Lower capital requirements</li><li>• Cost effective thickness</li><li>• Low to medium mechanical properties</li><li>• Flexibility for design changes</li></ul>                                    | <ul style="list-style-type: none"><li>• Fast wet-out</li><li>• Ease of rolling</li><li>• Even glass dispersion for good aesthetics</li><li>• Low fuzz and fewer process disruptions</li></ul>              |
| Hand Lay-Up | <ul style="list-style-type: none"><li>• Lower capital requirements</li><li>• Flexibility for design changes</li><li>• Medium to high mechanical properties</li><li>• Consistency in glass reinforcement areal weight</li></ul>            | <ul style="list-style-type: none"><li>• Capable of producing good aesthetics</li><li>• Fast wet-out</li><li>• Ease of rolling</li><li>• Drapability /Conformability</li><li>• Wet carry strength</li></ul> |
| Infusion    | <ul style="list-style-type: none"><li>• Consistent quality (glass and resin distribution)</li><li>• Mechanical performance</li><li>• Lower emissions (lower VOC)</li><li>• Less part-to-part variability • Larger vessels</li></ul>       | <ul style="list-style-type: none"><li>• High Permeability</li><li>• Fast wet-out</li><li>• Uniform resin flow</li><li>• Capable of producing good aesthetics</li><li>• Drapability</li></ul>               |
| Light RTM   | <ul style="list-style-type: none"><li>• High volume production</li><li>• Consistent quality and cosmetics</li><li>• Less part-to-part variability</li><li>• Non-structural, complex parts</li><li>• Lower emissions (lower VOC)</li></ul> | <ul style="list-style-type: none"><li>• Conformability/Stretchability</li><li>• Permeability</li><li>• Low fiber print</li><li>• Capable of producing good aesthetics</li></ul>                            |

## Small Parts

### Spray Up:

Skin Coat: Assembled Roving

Bulk Laminate: Assembled Roving

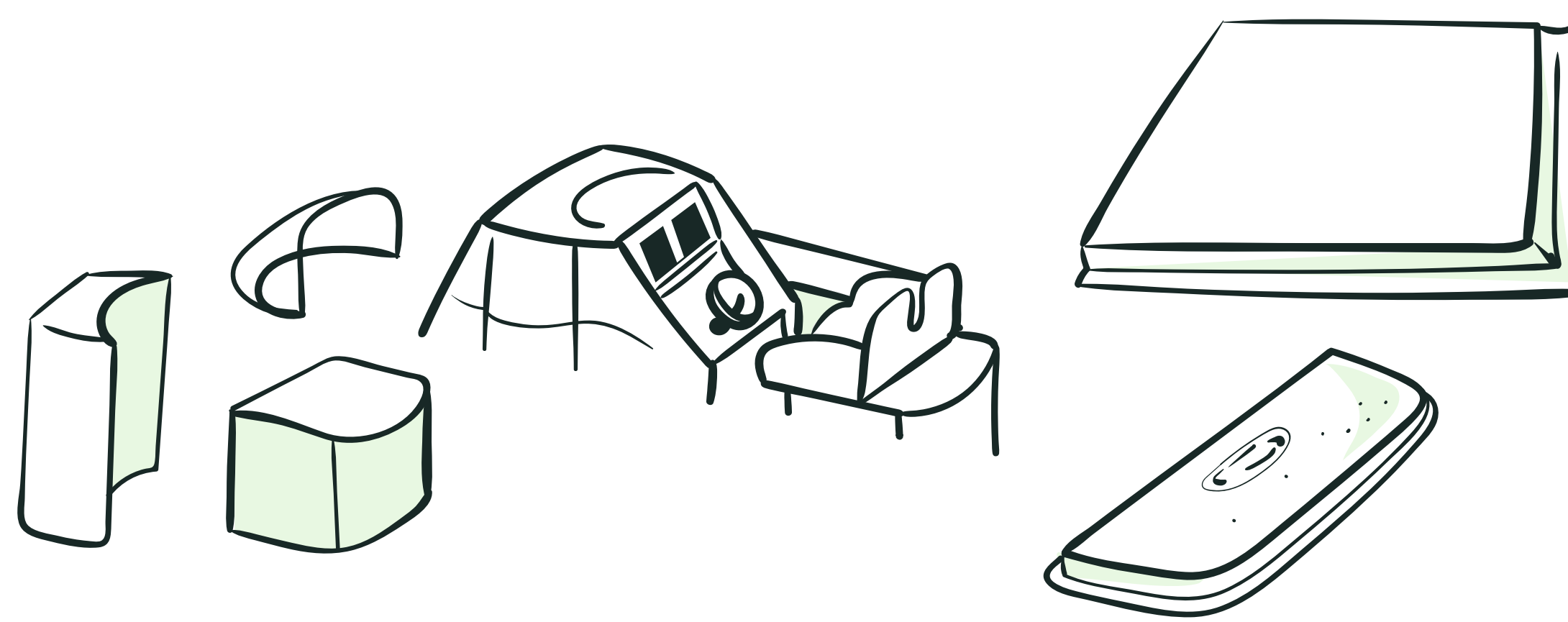
### Hand Lay Up:

Skin Coat: Assembled Roving, Chopped Strand Mat

Bulk Laminate: Complexes (woven roving stitched with chop),  
Woven Roving, Multiaxials/Knits

### Light RTM:

Skin Coat/Bulk Laminate: Multicore®, Uniconform®,  
Continuous Filament Mat



## Structural Members

### Hand Lay Up:

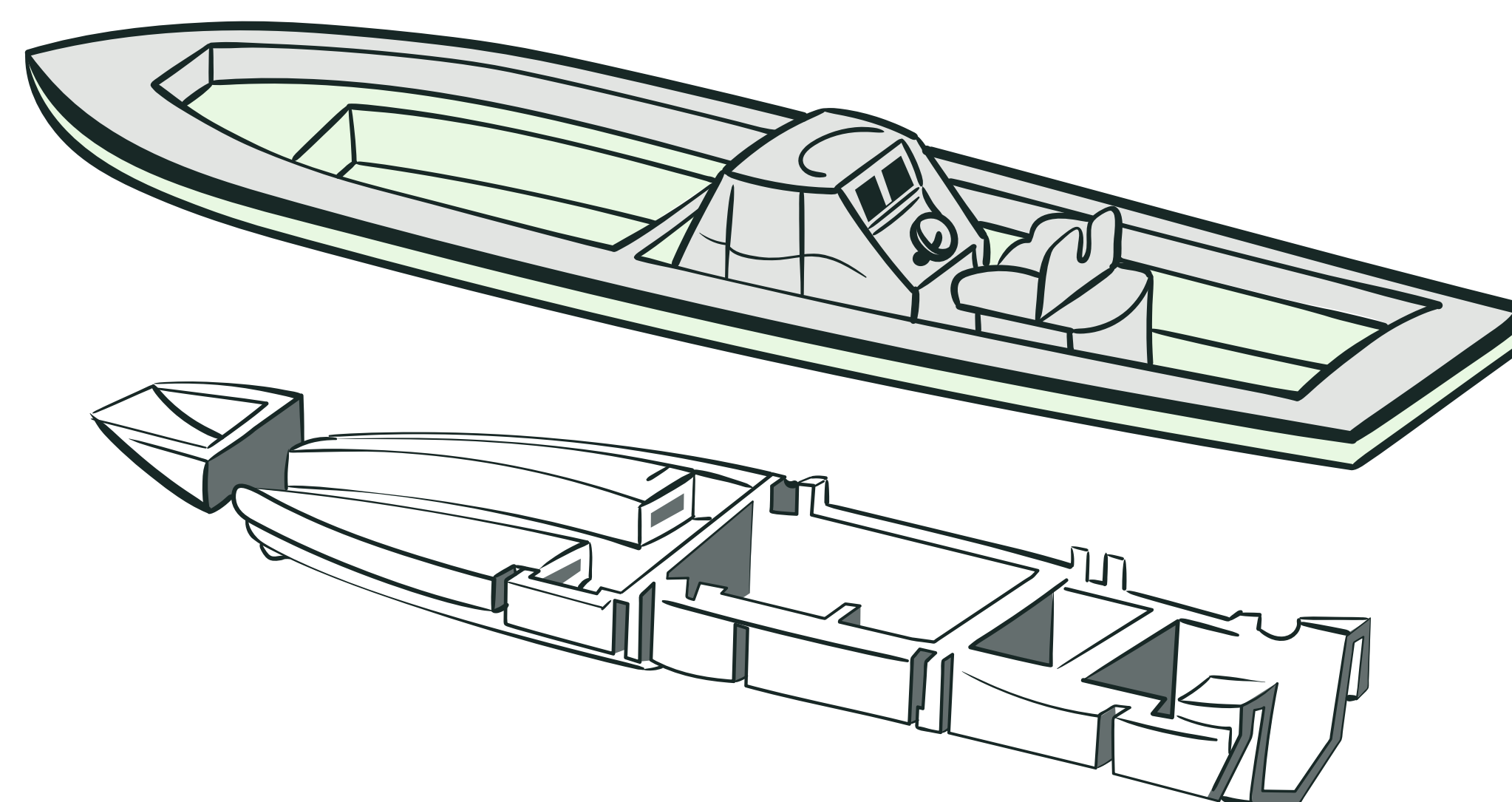
Skin Coat: Assembled Roving, Chopped Strand Mat

Bulk Laminate: Complexes (woven roving stitched with chop),  
Woven Roving, Multiaxials/Knits

### Infusion:

Skin Coat: Assembled Roving, Chopped Strand Mat

Bulk Laminate: Multiaxials/Knits



## Hull & Deck

### Spray Up:

Bulk Laminate: Assembled Roving

Skin Coat: Assembled Roving

### Hand Lay Up:

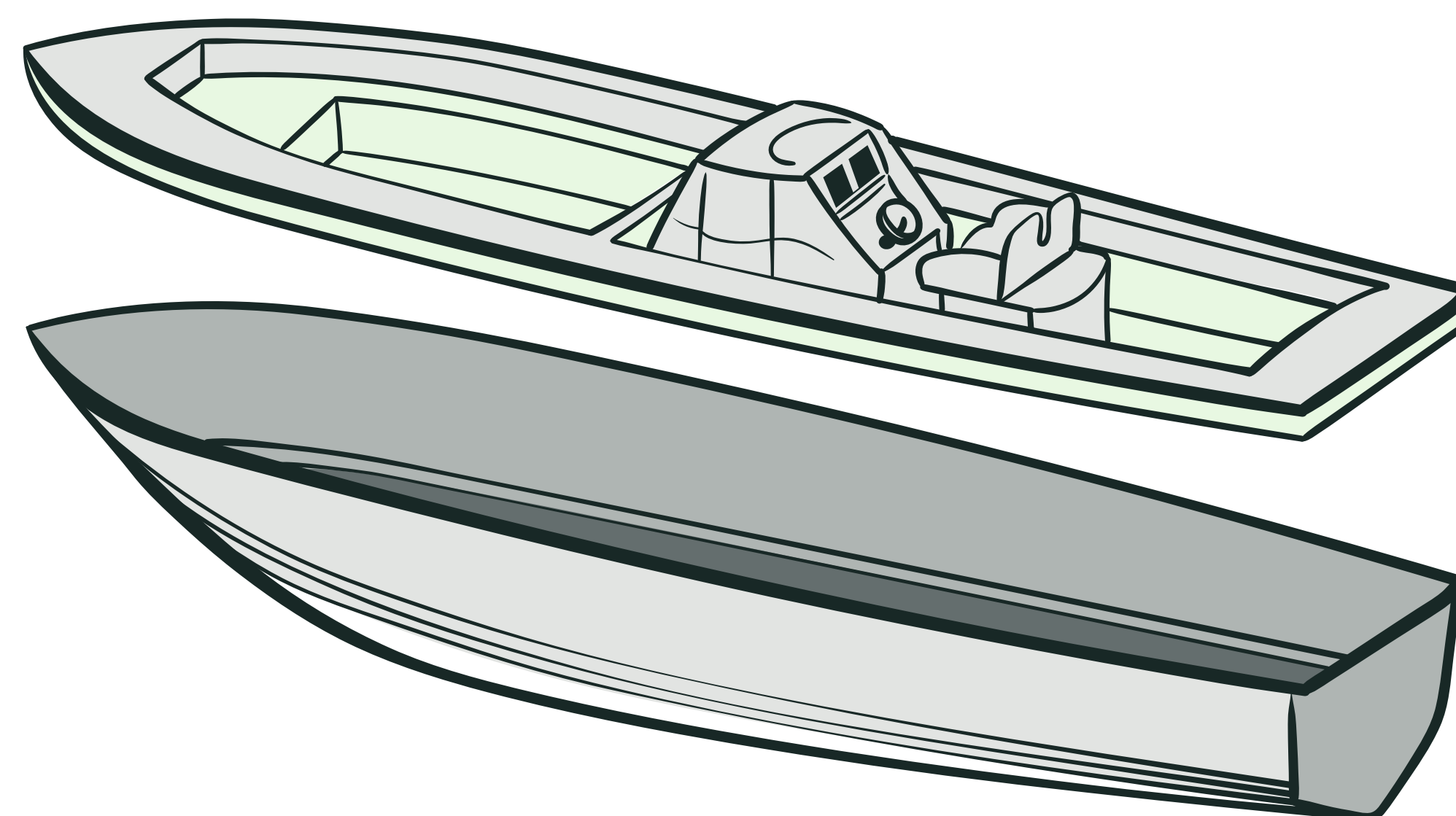
Skin Coat: Chopped Strand Mat

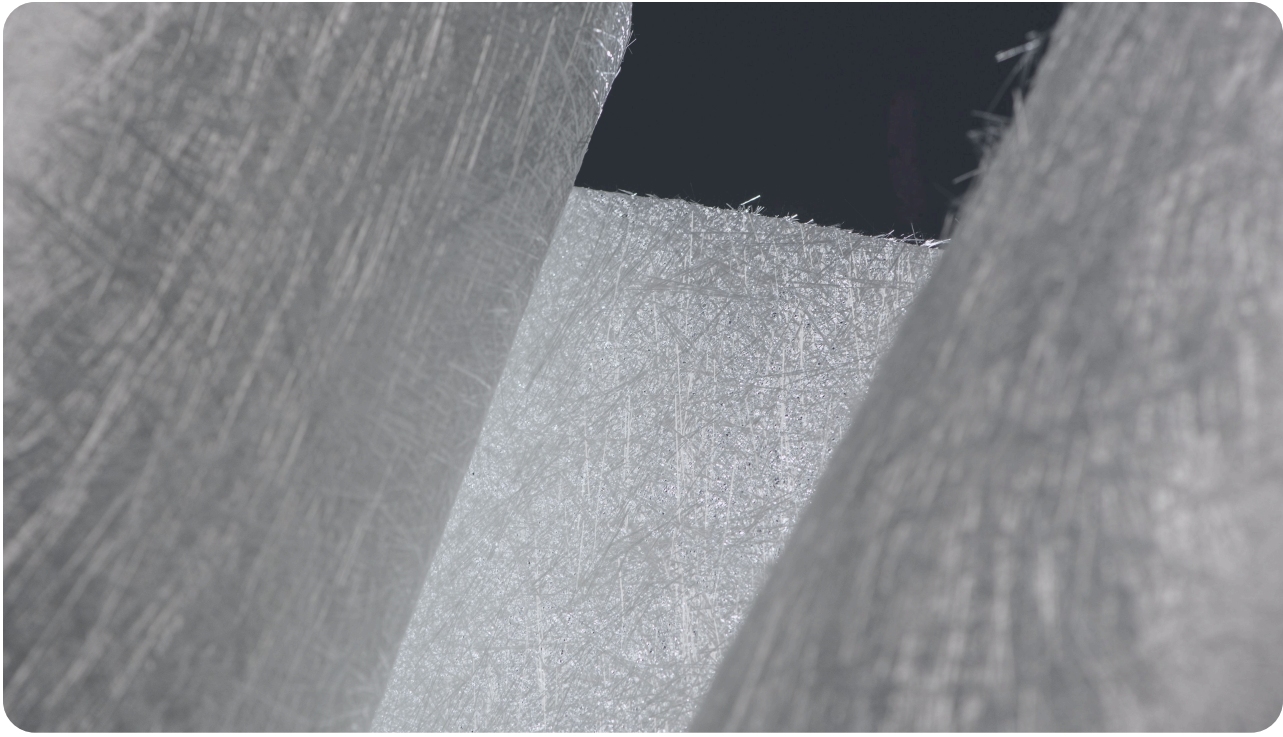
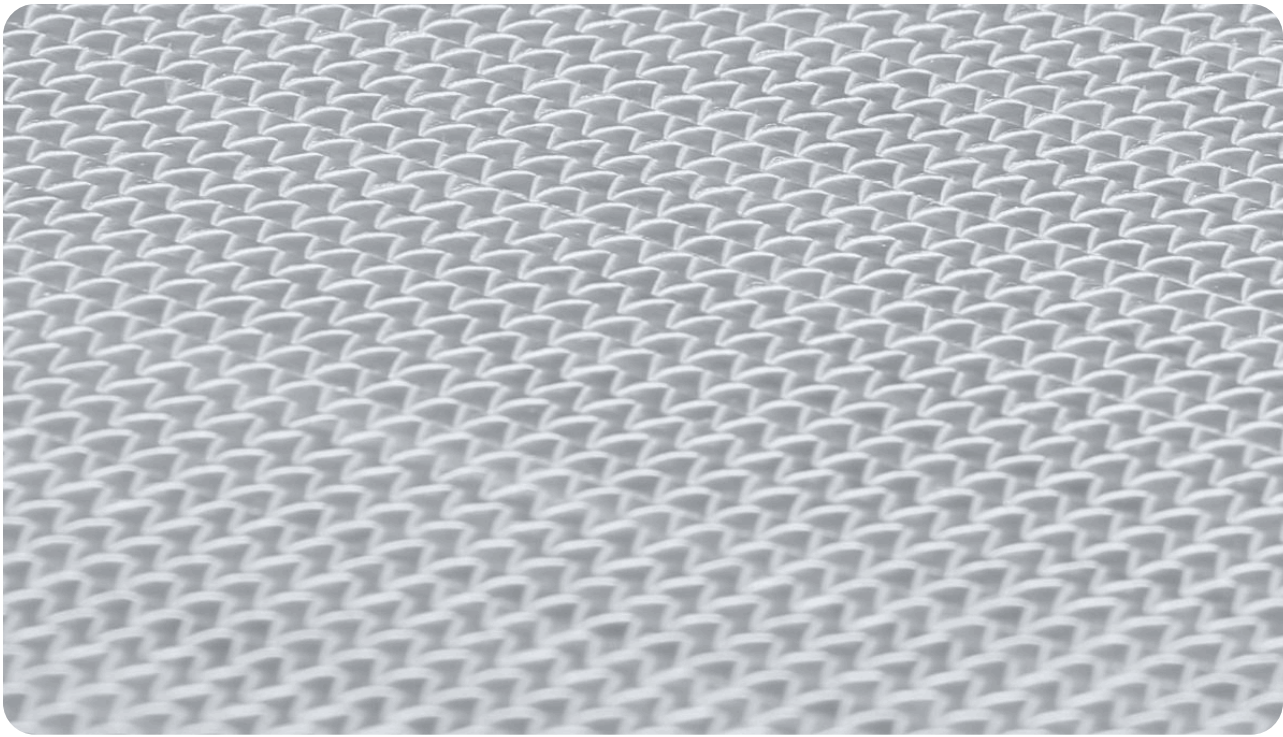
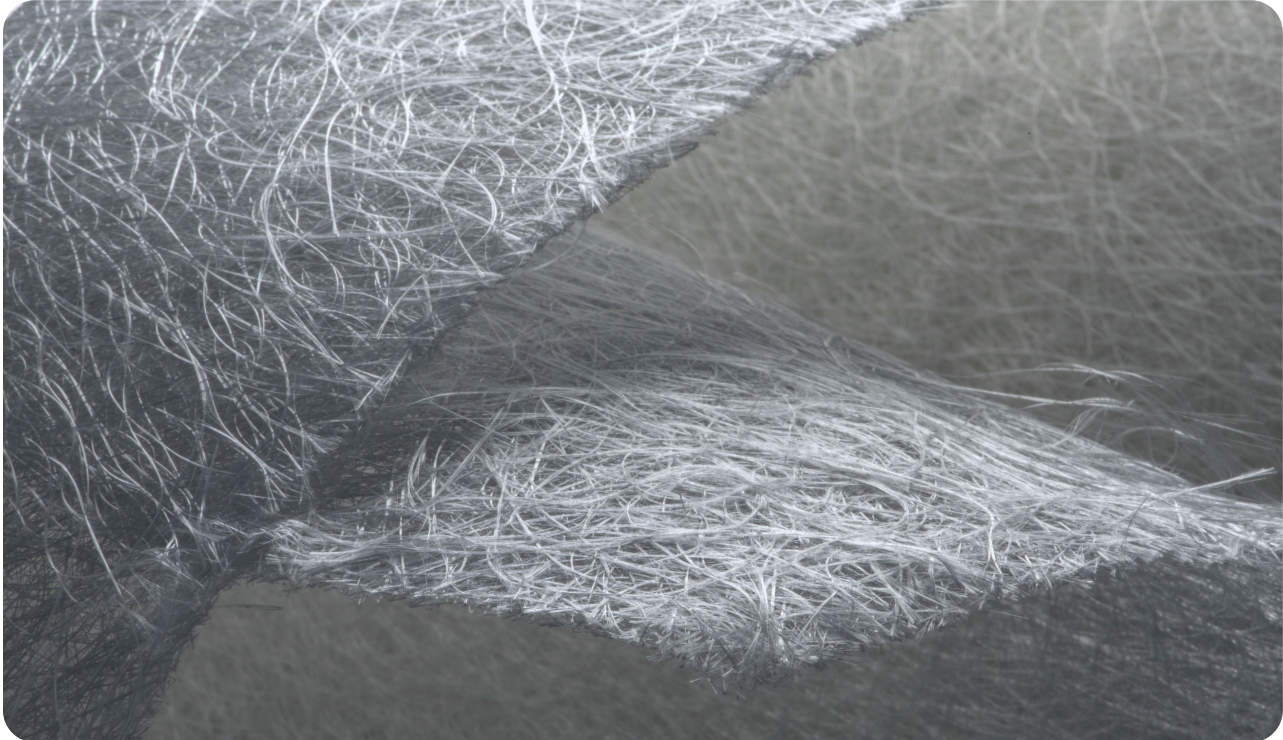
Bulk Laminate: Complexes (woven roving stitched with chop),  
Woven Roving, Multiaxials/Knits

### Infusion:

Skin Coat: Assembled Roving, Chopped Strand Mat,  
Continuous Filament Mat

Bulk Laminate: Multiaxials/Knits



| ASSEMBLED ROVING                             | BENEFITS                                                                                                                                                        |                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Optispray® Pro                               | Premium offering with superior wet-out, enhanced cosmetics, and increased productivity                                                                          |    |
| Optispray® F                                 | Fast wet-out, higher fiber-weight fraction (higher glass content, resin savings, lower emissions). Conformable in complex geometries                            |                                                                                       |
| CHOPPED STRAND MAT                           | BENEFITS                                                                                                                                                        |                                                                                       |
| M723A (Powder based)                         | Delivers high-quality laminates with increased wet-out, quick air release, and outstanding wet strength                                                         |    |
| TECHNICAL FABRICS                            | BENEFITS                                                                                                                                                        |                                                                                       |
| Woven Roving<br>500 - 800 g/m²               | Cost competitive, conformability and available in variable widths                                                                                               |   |
| Complex<br>900 - 1200 g/m²                   | Combines the benefits of woven roving with the aesthetic finish of chopped strand mat which prevents delamination. Increase productivity, single layer solution |                                                                                       |
| Multiaxials / Knits<br>LT 600 - 1200 g/m²    | Higher physical properties, better cosmetics (reduced fiber print), structural performance, cost/performance ratio optimization                                 |                                                                                       |
| Closed Mold Fabrics<br>(Multicore, Multimat) | Better cosmetics, ability to combine with filled resin systems, compression or expansion of fabric to fill mold cavity                                          |                                                                                       |
| CFM                                          | BENEFITS                                                                                                                                                        |                                                                                       |
| Uniconform                                   | Highly conformable binder free mat designed for deep draw and translucent applications                                                                          |  |
| U800 Series                                  | Tailored to provide the required resin flow and conformability.                                                                                                 |                                                                                       |

MAKE  
MORE  
POSSIBLE™

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