



# **FIBERCORE<sup>®</sup> PANEL** **BY FIBER-TECH**

FiberCore fiberglass reinforced panels are manufactured utilizing multiple layers of woven roving fiberglass and reinforced mattes/fabrics wetted-out with polyester resins utilizing a “heat accelerated vacuum assisted infusion” process producing one of the industry’s largest rigid seamless panels.

## **History & Applications**

Fiberglass Reinforced Plastic (FRP) has been used for industrial application since the 1960's. Adapted from the marine industry, FRP was first used for seawater and other corrosive applications like those found in the pulp & paper industry. FRP is a mature material used in construction with many documented successful case histories.

Where metals reach their limits for chemical resistance, maintenance, or economic reasons, FRP should be your first choice. FRP panels are lightweight, corrosion-resistant, and above all, virtually maintenance free. Fiber-Tech’s FRP is highly resistance to most of the chemicals used today and will not crack, chip peel, rust, rot or decay. FRP is pound for pound stronger than steel. Fiberglass composite panels strengths make it a preferred choice military, marine, and transportation markets.

## **Flexibility**

Fiber-Tech Industries, Inc., is North America’s largest producer of Fiberglass Reinforced Panels. Millions of square feet are produced annually at each of our three (3) manufacturing facilities located in Michigan, Ohio, and Washington. Fiber-Tech manufactures structural Fiberglass Reinforced Panels for use in the construction, corrosive, military, marine, and transportation markets.

## **Confidence**

All Fiber-Tech fiberglass reinforced panels are manufactured by Fiber-Tech’s proven proprietary process. A combination of woven roving, chopped strand mattes, core mattes and veils are molded on large lamination tables and cured under heat and pressure. We utilize thermoset polyester resins to wet-out multiple layers of woven roving fiberglass and reinforced mattes/fabrics in a “heat accelerated vacuum assisted infusion” process producing one of the industry’s largest rigid seamless panels. You can trust a company with over 35 years of fiberglass panel manufacturing experience.

## **Savings & Waste Reduction**

All fiberglass panels are custom made, cut and shipped to your individual specifications therefore minimizing waste for your special application. Solid Fiberglass Panels can be manufactured in thicknesses from 0.12” to 1.25” and up to 10 feet x 58 feet long. Fiber-Tech’s ability to produce large flat fiberglass panels permit easy and rapid installation saving considerable project time and labor dollars.

# FiberCore<sup>®</sup> Panel Specifications

## Thickness Options

3 mm / 4 mm / 5 mm finished thickness. All thicknesses tolerances are +/- 10%

## Panel Sizes

All panels are custom manufactured and cut to the customers specified dimensions. Standard panels are available in sizes up to 120" wide x 58' long.

## Exterior Finish

Gel Coat. 15 mils (+/- .003") of a smooth or embossed, high gloss or matte finish designed to offer superior weathering characteristics and resistance to UV degradation. All standard Fiber-Tech gel coats are formulated to offer maximum flexibility, are acid and alkali resist and will readily accept decals and most paints.

## Interior Finishes

Standard – Clear film: A thin clear film is laminated to the interior surface of the panel during the composite panel production process. This heat sealable film covers typical porosity and provides a surface which is considerably easier to clean than raw resin surfaces.

Optional – Resin Surface: For applications where sanding, laminating, or bonding to the interior surface of the panel is required; upon request, Fiber-Tech will eliminate the use of the clear film. A white pigmented polyester resin will be the final interior finish and will contain porosity on the surface.

Optional – Gel Coat: Where additional protection against moisture penetration is desired, Fiber-Tech will add 15 mils (+-.003") of high gloss gel coat to the interior surface on special orders.

Optional – Sand/Aggregate non-slip textured finish surface coating: A post application of adhesive/resin with a sand aggregate distributed into the surface. A top-coat of an exterior latex paint is applied over the aggregate.

## Corrosion Resistant and Rot Proof

Fiber-Core does not rot and is unaffected by most solvents and chemical agents, therefore extended life of the panel can be achieved.

## Dimensional Tolerances

Width +/- 1/8"	Length +/- 1/8"
Straightness +/- 1/8" (adjacent corners)	Squareness +/- 1/4" (diagonal corner)

## Estimated Weights

3mm 0.93" to 1.11 pounds per square foot  
4mm 1.10" to 1.32 pounds per square foot  
5mm 1.26" to 1.52 pounds per square foot

## Warranty

Fiber-Tech Offers a one (1) year limited warranty. See warranty document for details.

Specifications are subject to change without notice



**FIBER-TECH INDUSTRIES, INC.**

Another Celstar Company

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