

## FACTOID: Universal Pultrusions LLC

Manufacturer of innovative and high-performance FRP pultruded doors, frames, louvers, windows and specialty components widely used in commercial, industrial and military installations which require:

- Non-corrosive FRP doors, doorframes, louvers and fixed-window frames, suitable to withstand abrasive environments.
- Custom pultruded FRP profiles shaped to client specifications.

These applications are extremely specific and rigorous, requiring high surface smoothness, negligible porosity, durable corrosion resistance, dependable performance and outstanding reliability, such as to withstand:

- Caustic, corrosive, chemically saturated environments such as those in the wastewater treatment industry;
- Salt air, chlorine vapors and chronic moisture such as at ocean front or around swimming pools;
- Bacterial containment and eradication such as required for sterilizing surfaces in the food processing industry.

All of our pultruded products:

- Are non-conductive, non-magnetic and unaffected by radiation;
- Have extraordinary physical strength and endurance;
- Are suitable for any installation where a standard hollow-core steel door, doorframe, louver or fixed-window would routinely be installed but due to caustic environmental conditions would suffer a radically decreased life-cycle and/or require continuing maintenance.
- Are precision engineered to meet critical installation tolerances and requirements
- Will never delaminate, chalk, craze or wear-down to raw fibers;
- Insulate against heat and cold, dampen sound;
- Afford reduced magnetic fields, low embodied energy and minimal life-cycle/maintenance costs.
- May be manufactured as 'private label' components of another's product lines.

Benefits of our proprietary door panel manufacturing process include:

- Optimum fiber-to-resin composition ratio.
- Total FRP construction means no corrosive reinforcements or fasteners.
- 360° of continuous strand and knit fiber reinforcement matrix optimally saturated with Isophthalic Polyester Resin.
- Seamless fabrication with solid heavy-gauge pultruded stiles and chemically welded top and bottom caps make for virtual 'one piece' construction.
- Equal or exceed hollow metal door standards.

[www.UNIPULLLC.com](http://www.UNIPULLLC.com)

100 Tillco Dr., POBox 1289, Marshall, AR 72650

870-448-4406 (voice) ~ 870-448-5120 (fax)

*The Ultimate in Fiber Reinforced Polymer Door Systems*



- Weigh half as much as hollow metal doors and so are twice as easy to install.
- Rigid Polyurethane Isocyanurate closed-cell “polyiso” (PIR) foam core is EPA endorsed as environmentally friendly and delivers the highest R-value of any insulator per inch of thickness.
- Exclusive use of dimensionally stable corrosive-immune Isophthalic Polyester Resin affords exceptional strength and durability.
- Use standard door hardware, easy to retrofit existing openings.
- Superior dimensional stability eliminates warping, door does not bend or take a permanent set when damaged by mechanical misuse.
- Isophthalic Polyester Resin used in our manufacturing process is FDA approved.

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