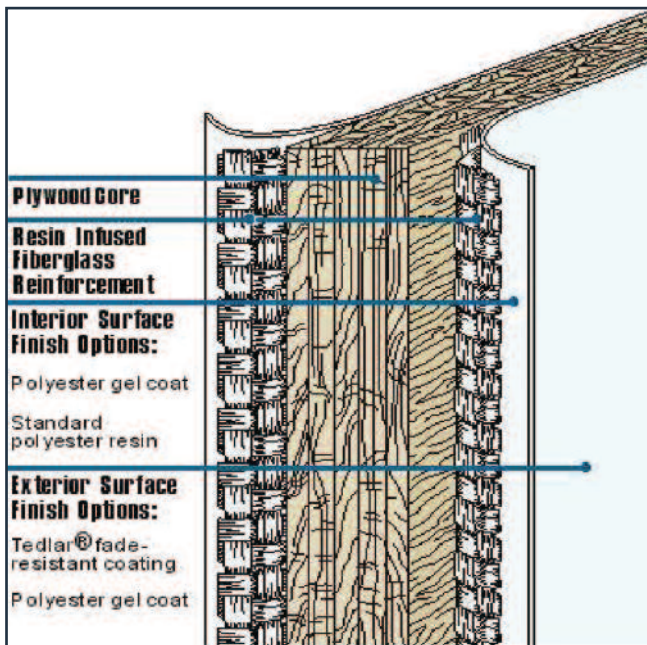


Fiberglass-Reinforced Panel (FRP) Construction Enclosures

Product Information

- Fiberglass-Reinforced Panel (FRP) is a process where marine grade plywood is molded on both sides with fiberglass resin, woven fiberglass cloth and a colored gel coat finish on the exterior side. Interior and exterior surfaces are impervious to moisture. FRP panels are available in dimensions up to 60 feet in length and 10 feet in width allowing wall panels to be seamless.



- FRP panels have been used for over 25 years in the manufacture of dry van and refrigerated semi trailer bodies. It provides the structural integrity for the trailer without any interior obstruction by wall supports. Virtually unaffected by normal wear and tear, fiberglass-reinforced panels have proven their strength and durability over time and miles.
- For added equipment protection fiberglass-reinforced panels can be combined with a core of low-density isocyanurate foam to improve thermal and structural performance, energy efficiency and noise attenuation. With thermal performance up to R-22, interiors stay cooler in summer and easier to heat in winter.
- FRP panels won't rust, corrode, peel or chip, and no painting or upkeep is required. Durable surfaces resist yellowing, chalking, fading and dirt penetration. Mild soap and water or power wash will restore a like new appearance.
- The gel coat exterior is a molded on layer of colored resin with an ultra smooth finish. The color consistent throughout the layer. FRP panels are high gloss white as a standard and are available in a wide variety of colors including matched to a custom color.

Construction Information

- FRP panels are ordered from the material manufacturer job specific. The panels are built to exact dimensional requirements and all edges are factory sealed impervious to moisture. All openings cut for doors, louvers, exhaust and other penetrations are sealed impervious to moisture.
- The panels are erected on a galvanized steel tube, structural housing frame. The frame will allow the housing to be a separate structure from the unit base with lifting provisions.
- The enclosure is assembled using the same tested methods and materials found in the construction of semi trailers. Engineered aluminum extrusions and structural shapes joint the panels at the corners using non-corrosive fasteners. All doors and openings are finished in the same fashion.
- The assembled enclosure is mounted over the generator and support equipment onto a Victory manufactured UL Listed secondary containment sub base fuel supply tank or a structural steel lift base. The base provides a mounting surface for the generator and any other switch gear or support equipment. The base will provide a four point lifting system rated for the unit's dry weight. Either base can be supplied with a full tread plate steel floor.

Packaging Options

The list of equipment that can utilize this type of enclosure and support amenities available is endless. Victory has the technology and experience to outfit your enclosure to the site-specific application. Victory would be pleased to assist in the project design and writing of the system specifications.

This is a small sampling of the amenities, which can be applied to your project. Sound attenuation; Thermal insulation; Pre-wired electrical support systems; Motor driven air dampers; Interior exhaust systems; Air conditioning and climate control systems; Pre-wired switchgear; Load banks; Day tank or other special fuel systems; Fire protection systems.