

# SPS *fibre*FORM

## ENCLOSURE SPECIFICATION

- **MATERIAL** - Continuous strand fibre-glass reinforced epoxy vinyl ester resin.
- **OUTER SURFACE** - “GEL” coated c/w “ULTRAVIOLET” block - gray or white preferred – other colors available.
- **WALL THICKNESS** - Minimum 3/16” with load bearing and gasket areas reinforced. Wall thickness should increase with the box dimension to maintain strength.
- **GASKETS** - Closed cell – Neoprene with minimum set characteristics OR performed high temperature silicone. A gasket groove area must be provided.
- **INSULATION** - added when necessary for heat retention - Polyurethane completely encapsulated with aluminum, stainless steel or resin with a minimum thickness of **0.00275”** for aluminum, **0.00250”** for stainless steel, and **0.0625”** for a glass covering. Entrance and exit points should be blocked out of the insulation to avoid cut outs. Any cut outs exposing polyurethane must be covered with silicone or repaired with resin. Insulation thickness minimum to be 7/16”
- **PROTECTION** - Manufactured to a NEMA 4X / IP65 specification.
- **HARDWARE** - made of stainless steel material. Clasps must be lockable. Hinges must be able to be dismantled for box part removal with the hinge pin secured to one half of the hinge. ALL nuts bolts and washers are to be SS with nuts having nylon inserts for vibration protection. Nuts and bolts to be standard size specification for replacement purposes.
- **FLAMMABILITY** - Self extinguishing with auto ignite temperature in excess of 480 deg. C / 900 deg F. Flame spread less than 20 as per ASTM E84
- **TENSILE STRENGTH** -16,400 PSI
- **FLEXURAL STRENGTH** - 3,800PSI
- **ENTRANCE POINTS** - Ability to go through the box anywhere without the aid of metal plates.
- **MOUNTING** - Adaptable for 2” pipe stand, wall or Unistrut type mounts. FRP stands as well as Steel painted frames available for larger cabinets. Larger cabinets can be free standing