ALPHA TEKNIK INDUSTRIES

GRP FIBERGLASS ABOVEGROUND WATER TANKS

SPECIFICATION.

- Gelcoat of 0.5mm thickness to provide chemical resistance.
- Resin content 60-70% by weight to assist reinforcement for chopped strand mat.
- Resin content 45-55% to provide strength and rigidity for woven roving.
- E-glass surface mat (450g/m²) or synthetic layers are used, consisting of approximately 90% resin by weight. The thickness of the reinforced layers is generally 0.5mm, providing a protective barrier against corrosion.
- Isophthalic resin complying with BS 3532:1962 – Class B standard or of equal quality.
- Gelcoat finishing on the outside of the tank.
- For joints, provide GRP putty and chopped strand mat covered with Gelcoat.
- The structure of the tank includes 1mm thick Gelcoat interior finishing. A surface mat is provided to protect the inner coating. Adequate layers of fiber-mat and woven roving layers will be applied according to the required thickness using the necessary resin and chemicals to suit the tank's usage. The cover coat will be given a waxed coating for a clear look.
- The external surface of the tank is top-coated with wax-added UV top coat polyester resin. The tank body (laminate) thickness is manufactured using UV-resistant polyester resin, providing UV resistance to the tanks.
- Tanks have a special layer inside the tank wall using Isophthalic resin with fiber, which provides protection against algae.
- Tanks are manufactured conforming to BS 4994.
- The tank includes inlet, outlet, overflow, drain, vent, and manholes.

Best regards,

Farhad S. Rahravan

Deputy & Partner.

Alpha Teknik Industries L.L.C

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