

Bouyancy Calculations on Concrete Anchors

The buoyancy calculation for FRP and Glasteel II ® tanks are based on the mass of:

1. **Anchors plus**
2. **Backfill material above anchors plus**
3. **Backfill material over the tank plus**
4. **Concrete cover over sub grade and**
5. **Tank size**

The calculations assume installation is in accordance with the manufacturer's instruction including the backfill guidelines.

A worst case burial is assumed i.e. empty tank and a fully wet hole.

The calculations take to account a range of tank sizes, variable depths, and different back fill densities together with an engineering based safety factor and have been prepared for ZCL Composites Inc (licensor) and form part of the licence agreement between ZCL and Tank Solutions (licensee).

Provided the tank is installed in accordance with the Tank Solutions (manufacturer) instructions Tank Solutions warrants the tank in accordance with the warranty included with the documentation delivered with the tank.

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