

Waite Concrete Products, LLC  
Anti-buoyancy: 500 Gallon Tank  
Minimum Cover-18"

The following is a list of methods that may be used, as additional precautions, to insure tank submergence in area with high ground water.

1. Require a minimum cover of 18" where there is high groundwater.
2. After setting the tank, pour an additional thickness of concrete over the tank top 3" minimum extending a minimum of 12" beyond the sides of the tank.
3. Concrete buoyancy blocks secured with stainless steel cables placed over tank.

Calculations in feet:	Tank:	Cover:
Length	3.75	3.75
Width	6.25	6.25
Height	5.50	1.50
Volume	232.03	63.28
Water Weight (lb)	8485	
Tank Weight (lb)	5400	
Weight to Balance (lb)	5185	
Weight to Cover (lb)	5333	

Density:

62.43 Water (lb/ft3)  
1.35 Soil Factor (typical bulk density)  
84.28 Soil (lb/ft3)  
2.21 Concrete Factor  
8.24 Concrete (lb/ft3)