

Waite Concrete Products, LLC
Anti-buoyancy: 1000 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	6.75	6.75
Width	6.25	6.25
Height	5.50	1.50
Volume	232.03	63.28
Water Weight (lb)	14485	
Tank Weight (lb)	9300	
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)